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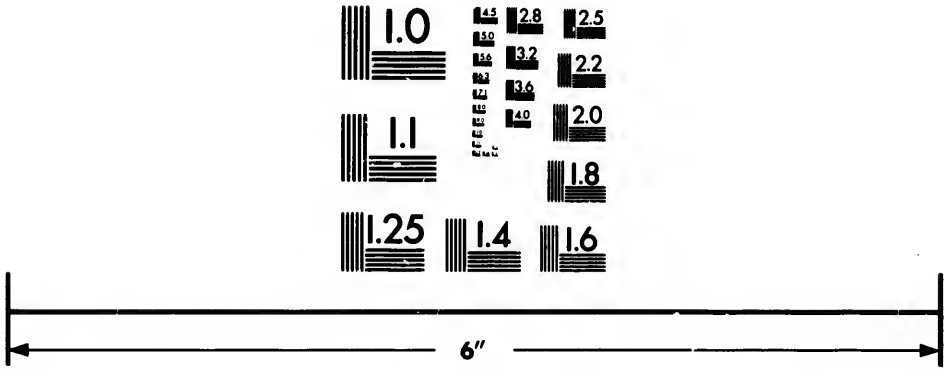

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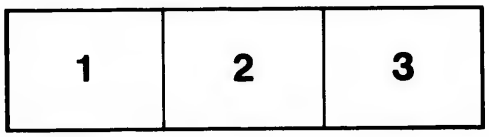

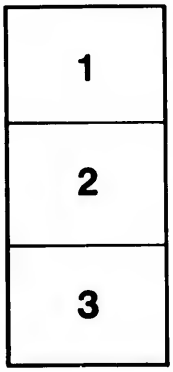

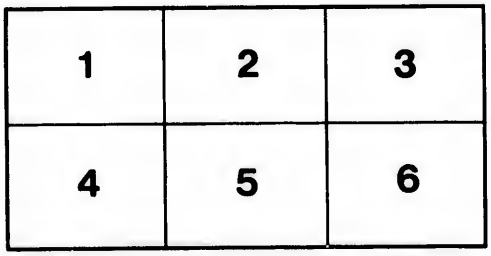

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1856,

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Maclear & Co.'s Canadian Almanac,

FOR THE YEAR 1856.

Chronological Cycles, &c., 1856.	
Dominical Letter	F E
Lunar Cycle or Golden Number	14
Jewish Lunar Cycle	11
Epact (Moon's Age, January 1st)	23
Solar Cycle	17
Roman Indiction	14
Dionysian Period	185
Julian Period	6569
The year 5617 of the Jewish Era com. Sept. 30th	1856
The year 1273 of the Mahom. Era com. Sept. 1st	1856
Year of the World (Usher)	5860
Year of the World (Jews)	5616
Year of the World (Septuaglnt)	7364
Year A. U. C. (Building of Rome)	2629
Year of the Olympiads	2632
Year of the Era of Nabonassor	2603
The 20th of Her Majesty's Reign begins June 20th	1856
The 81st of the Indep. of the U. S. begins July 4th	1856

Fixed and Moveable Feasts, &c., 1856.	
Septuagesima Sunday	Jan'y 20
Quinquagesima Sunday	Feb'y 3
Ash Wednesday, or First of Lent	Feb'y 6
Quadra. First Sunday in Lent	Feb'y 10
Mid Lent Sunday	Feb'y 24
Palm Sunday	Mar. 16
Good Friday	Mar. 21
Easter Sunday	Mar. 23
Low Sunday	Mar. 30
Rogation Sunday	April 27
Ascension Day—Holy Thursday	May 1
Whit Sunday—Pentacost	May 11
Trinity Sunday	May 18
Corpus Christi	May 22
Middle day of the Year	July 1
Advent Sunday	Nov. 30
Birth of Queen Victoria	May 24
Birth of Prince Albert	Aug. 26

The Seasons, 1856.—Toronto.	D.	H.	M.
Winter Solstice (1855) December 22		3	31 mor.
Vernal Equinox, March 20, 1856		4	32 mor.
Summer Solstice, June 21		1	21 mor.
Autumnal Equinox, September 22		3	36 even.
Winter Solstice, December 21		9	22 mor.
Sun in Winter signs	89	1	1 mor.

The Seasons 1856.—Toronto.	D.	H.	M.
Sun in Spring Signs	92	20	49
Sun in Summer Signs	93	14	15
Sun in Autumnal Signs	89	17	46
Tropical Year	365	5	51
Sun North of Equator	186	11	4
Sun South of Equator	178	18	47

Morning Stars, 1856.

Venus until July 19th, 1856.
Mars until April 1st, 1856.
Jupiter from March 5 to Sept. 26.
Saturn from June 24 to Dec. 31.

Evening Stars, 1856.

Venus from July 19th to May 10th, 1857.
Mars from April 1st to June 7th, 1857.
Jupiter until March 5th, and from Sept. 26th, to April 11th, 1857.
Saturn until June 24th, 1856.

TO THE READER.

Sun's Rising and Setting.—There are two kinds of time used in common Almanacs, for the Sun's Rising and Setting. One is *Clock* time, and the other is *Apparent* or Sun time. *Clock* time is *always right*, while Sun time *varies* every day, and is alternately too "Fast" or too "Slow." Hence it is that two Almanacs made by the same calculator, for the same year and place, will give the Sun's rising and setting very differently, if a *different* kind of time is used in each. Persons observing this must not think that either is wrong. According to apparent time the sun will always rise and set at six o'clock, at the time of its crossing the equinoctial; but this is never the case according to Clock time, or *true* time. If the sun was in the meridian, or at the noon mark, at 12 o'clock every day, then *apparent* time would be true, and the sun would always rise and set at 6 o'clock, when at the equinoxes. People generally suppose it is 12 o'clock when the sun is in mid-heaven, or at the noon mark. In this there is a great mistake, for the sun is so irregular, that it does not come to these points at 12 o'clock oftener than four times in a whole year. In *this* Almanac we give the time exact to the nearest second that a correct clock must show, when the sun is in the meridian and shadow at noon mark, for every day in the year. When the sun is at the noon mark it is *noon*, but not twelve o'clock very often.

To ascertain the Length of the Day and Night.

At any time of the year add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising for the length of the day.

Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning, for the length of the night. These rules are equally true for *apparent* time.

Explanation of the Signs used in this Almanac.

● New Moon, and Moon generally. ◐ First Quarter. ○ Full Moon. ◑ Last Quarter. ☊ Moon's ascending Node. ☋ Descending Node. ● in Apogee—farthest from the Earth. ● in perigee—nearest to the earth. ● Highest—Moon farthest North. ● Lowest—Moon farthest South. ♄ Saturn. ♀ Venus. ☌ Near together. ♃ Jupiter. ☿ Mercury. □ 90 apart. ☍ Opposition, or 180° apart. ♂ Mars. 7* Stars. ☉ Sun. ♅ Herschel. ♆ Neptune.

Directions for finding the True Time.

The Sun, as we have stated before, is on the meridian at 12 o'clock on four days only of the year. It is sometimes as much as 16¼ minutes before or after twelve, when its shadow strikes the noon mark on the sun-dial. On each calendar page of this Almanac is shown the exact time when the sun reaches the meridian, or the shadow the noon mark; and in order to set a clock or watch correctly, it must, when it is noon by the sun dial or noon mark, be set at the time indicated in the Almanac. Thus, on the 25th of January, when the sun is on the noon mark, the watch must be set 12 minutes and 34 seconds past 12, which will be the true time. The Practice of setting time-pieces by the rising or setting of the Sun or Moon, is not strictly correct; as the unevenness of the earth's surface and intervening objects, such as hills and forests, near the points of rising and setting, occasion a deviation, in every place from the time expressed in the Almanac, which time is adapted to a smooth, level horizon. The only means of keeping correct time, is by the use of a noon-mark or a meridian-line.

Astronomical Notes for 1856.

The Moon will run lowest this year on October 6th, to the 3rd degree of Sagittarius, having a declination of 28° 36′ 1.2″ south. It will run highest October 18th, to the 3rd degree of Gemini, having a declination of 28° 35′32.2″ north.

This declination is a *maximum*, by which the Moon can run north or south farther than the sun can. Longitude of Moon's Ascending Node, Jan. 1, is 30° 11.1′, and December 31, it will be 10° 51′ 4. Apparent Obliquity of Ecliptic July 9, is 23° 27′ 36.11″.

Distance of Sun, July 2nd, 96702364 miles. Its mean distance March 31, and Oct. 3rd is 96103800 miles. The Sun will be north of the equator this tropical year 186 days 11 h. 4 m., and south of it 178 d. 18 h. 47 m., shewing a difference of 7 d. 16 h. 17 m., caused by the slower motion of the earth when in or near the aphelion.

Mercury will be brightest, and visible in the west soon after sunset, about January 29, May 23, and Sept. 19. Also in the east just before sunrise about March 18, July 16, and November 5th. The first and last dates quite unfavourable.

N. B.—The constellation Pisces is the *first* sign in the zodiac. Aries was first *once*, but is now 30° east of the equinox. In consequence of not knowing this, some think the Almanac is wrong.

TABLE,

Shewing the Illuminated Portion of the Discs of Venus and Mars.

The numbers given in this table represent the sizes of the Illuminated portion of the Discs—the apparent diameters of the planets being considered at *unity*.

1856.	Venus.	Mars.	1856.	Venus.	Mars.
January 15.	0 ·656	0 ·907	July 15.	1 ·000	0 ·870
February 14.	0 ·759	0 ·935	August 15.	0 ·992	0 ·872
March 15.	0 ·838	0 ·985	September 15.	0 ·964	0 ·884
April 15.	0 ·903	0 ·991	October 15.	0 ·922	0 ·900
May 15.	0 ·952	0 ·933	November 15.	0 ·864	0 ·919
June 15.	0 ·986	0 ·886	December 15.	0 ·792	0 ·938

Star Table.

To ascertain when any star found in the following table will be on the meridian, *add* the numbers opposite in the left-hand column of figures to the preceding meridian transit of the north Star found in the calendar pages. For the Rising of a star, *subtract* the number opposite in the right-hand column of figures from its meridian passage. For the Setting of a Star, *add* the same number to its meridian passage. Those marked (.....) revolve in a circle of perpetual apparition, and do not rise or set north of the latitude of Toronto (Lat. 43° 39′ 35″ N.) for which latitude the semi-diurnal arcs are calculated and corrected. The civil day begins at the preceding midnight, and consequently 24 hours after midnight, or 12 hours from noon, is *morning* of the succeeding day; and 24 to 36 hours from noon, is *evening* of the next day. This table is arranged in the order of culmination.

Stars.	Constellation	InMe	R & S	Stars.	Constellation	InMe	R & S	Stars.	Constellation	InMe	R & S
		h. m.	h. m.	*Pointers		h. m.	h. m.			h. m.	h. m.
Almaach	Andromeda	0 48	9 50	Procyon	Canis Minor	6 24	6 20	Beta	Ursa Minor	13 43	.....
Alpha	Aries	0 52	7 33	Pollux	Gemini	6 29	8 3	Zubenelg	Libra	14 1	5 25
Mira	The Whale	1 6	5 46	Acubens	Cancer	6 51	2 31	Alphacca	N. Crown	14 20	7 56
Menkar	The Whale	1 48	6 13	Naos	The Ship	7 43	6 48	Antares	Scorpio	15 12	4 8
Algol	Perseus	1 52	9 36	Alphard	Hydra	8 13	5 28	Alpha	Hercules	15 59	6 56
Algenib	Perseus	2 7	.....	Regulus	Leo	8 53	6 48	Alpha	Ophiuchus	16 19	6 48
Alcyone	7 Stars	2 32	7 38	Merak *	Big Dipper	9 45	.....	Vega	Lyra	17 23	9 18
Aldebaran	Taurus	3 21	7 3	Dubhe *	Big Dipper	9 47	.....	Beta	Lyra	17 36	8 33
Capella	Auriga	3 59	11 16	Danebola	Leo	10 34	7 0	Altair	Aquila	18 34	6 31
Rigel	Orion	4 1	5 27	Phad.	Big Dipper	10 38	.....	Deneb	Cygnus	19 27	10 43
El Nath	Taurus	4 10	8 3	Algerab	The Crow	11 14	4 57	Fomalhaut	S Fish	21 40	5 43
Bellatrix	Orion	4 10	6 23	Alioth	Big Dipper	11 39	.....	Scheat	Pegasus	21 47	7 57
Mintaka	Orion	4 18	5 58	Spica	Virgo	12 9	5 19	Markab	Pegasus	21 48	6 53
Phaet	The Dove	4 28	3 18	Mizar	Big Dipper	12 10	.....	Vr. Equinox	Pisces	22 50	5 59
Petalgueso	Orion	4 40	6 27	Benetnasch	Big Dipper	12 34	.....	Algenib	Pegasus	22 56	6 56
Sirius	Canis Minor	5 32	4 54	Arcturus	Bootes	13 1	7 20	Schedir	Cassiopeia	23 22	.....
Castor	Gemini	6 18	8 27	Mirac	Bootes	13 30	7 59	Mirach	Andromeda	23 51	8 45

Explanation of the Articles in the Calendar.

These Pages are calculated for Toronto, and for a point midway between Montreal and Quebec, which point is about on the latitude of Three Rivers and Fredericton. They will serve very accurately for every *City and Town in the British Provinces and North America.*

The Sun's Rising and Setting, is given in mean time; and for Toronto, it is corrected for a mean horizontal refraction of 36 min. 6.86 sec., of arc, and is also suited to the *upper limb.* Its declination is for mean noon.

The Moon's Rising is given from Full to Change, and the Setting from Change to Full.

Moon's Place.—The symbols and numbers in this column indicate the Moon's place in the signs or Constellations of the Zodiac, to the nearest degree of longitude, at 7 o clock P. M. Toronto Time. Pisces being regarded the *first* of the signs.

Moon's Age.—This column shows to the nearest tenth of a day, the Moon's Age at noon, Toronto.

Moon South.—This column shows the time the Moon is "south," or in the meridian of Toronto, and is nearly the same for all parts of the Provinces.

Twilight.—This table shows at intervals of six days, the times of beginning of Twilight in the morning, and of the end at evening—the sun, at the computed instants, being 8 degrees below the horizon.

The Moon's Phases.—This table shows the time for two meridians, when the Moon passes the geocentric longitudes of 0 dg., 90 dg., 180 dg., and 270 dg., from the Sun.

The Column of "Pole Star in Meridian," shows for every day in the year, the exact time when the North Star makes its transit over the upper meridian of longitude, 5 h. 8 m. 12 s. west of Greenwich, and is sufficiently exact for ordinary use in all of the British Provinces.

The time of the Lower Transit for any given day may be found by adding 11 h. 58 m. 2.045 s. to the time of the preceding Upper Transit. This column is designed to facilitate the computation of the Rising, Setting, and Meridian Passage of the brightest Fixed Stars, by using the numbers opposite the same in the Star Table. It will also be found of some service to surveyors and astronomers. When great exactness is required, the meridian passage of the Pole Star, for several places, may be obtained by applying the following corrections to the times expressed in the calendar

pages. For Toronto, subtract 2.55 seconds; for Kingston, add 0.22 sec.; for Montreal add 2.24 sec.; for Quebec, add 3.36 sec.; for Fredricton, add 6.32 sec.; and for Halifax, add 8.78 sec.

The times of greatest eastern elongation of the Polar Star, may be found for any day by *subtracting* the following constants from the time of Upper Transit; and the time of greatest Western elongation may be found by *adding* the same constants. For Toronto, 5 h. 53 m. 26.9 sec.; for Kingston, 5 h. 53 m. 21.4 sec.; for Halifax, 5 h. 53 m. 15 sec; for Montreal, 5 h. 53 m. 4.4 s.; for Fredericton, 5 h. 52 m. 56.8 s.; and for Quebec 5 h. 52 m. 46.75 s. In computing these constants, the mean polar distance of the North Star for 1855 was assumed at 1° 28′, and the slight variations in that distance will not produce an error of more than two seconds in the constants, when the variations have their greatest value.

There is not sufficient room for a table of the "Azimuth of Greatest Elongation" of the Pole Star. But this can be very easily found for any place by the following formula, the star's polar distance, and the co-latitude of the place being known; the former of which is given for every day in this Almanac.

Log. Sine Azimuth = 10 + Log. Sine Polar distance — Log. Sine co-Lat.

Eclipses for the Year 1856.

There will be two Eclipses of the sun, and two of the Moon this year as follows:—

I.—A Total Eclipse of the Sun, April 5th, invisible.

II.—A partial Eclipse of the Moon, April 20th, in the morning, *visible*. The Moon will set in the Canadas at about 5 h. 9 m. with 1.2 digits eclipsed. Size at the Middle 8.544 digits on the northern limb, See the Table below.

III.—An Annular Eclipse of the Sun, September 28th, invisible in Canada.

IV.—A Partial Eclipse of the Moon, October 13, in the Evening, visible. The Moon will rise at 5 h. 11 m. with 8·64 digits eclipsed. Size when largest, 11.976 digits on the Southern limb. See the Table below.

Places.	Eclipse of April 20.		Eclipse of Oct. 13.	
	Begins.	Middle.	Middle.	Ends.
	h. m.	h. m.	h. m.	h. m.
St. John's	4 5	5 37	7 25	8 59
Halifax	3 20	4 52	6 40	8 14
Fredrickton	3 7	4 39	6 27	8 1
Quebec	2 49	4 21	6 9	7 43
Three Rivers	2 44	4 16	6 4	7 38
Montreal	2 40	4 12	6 0	7 34
Cornwall	2 35	4 7	5 55	7 29
Prescott	2 32	4 4	5 52	7 26
Bytown	2 30	4 2	5 50	7 24
Kingston	2 27	3 59	5 47	7 21
Cobourg	2 25	3 57	5 45	7 19
Toronto	2 17	3 49	5 37	7 11
Hamilton	2 14	2 46	5 34	7 8
London C. W.	2 9	3 41	5 29	7 3

Jupiter will be eclipsed by the Moon on the 19th of August, at about 1 o'clock in the morning, visible. Duration 54 minutes.

Mathematical Acknowledgements.

We have the pleasure to notice a very large number of Solutions of the Problems in the Almanac for 1855 from various correspondents. We cannot print the Solutions for want of room, nor was this our design, as we do not intend to make the Almanac take the place or character of a mathematical work. The *Answers* of the Problems will be published, and those who solve them correctly will be noticed. In examining the solutions, we have discarded mistakes in the operations, where the *principles* of working were correct. In such cases we accord to the author the honour of a right solution. We cannot pledge ourselves to *look* for such errors when the answers are wrong, and correspondents are requested to be very careful in the operations. In some instances we may have overlooked the merits of our correspondents, where their results have been wrong, not from any want of skill, but from some small mistakes they have made. The majority of the solutions sent were correct. Particular notice is due to Messrs. Jordan, Dunne, Cowan, Clark, Ralph, Somerville and Sheehan, for full solutions, and finely executed diagrams. We give *instead* of the *solutions*, the answers in *literal formulæ* as far as possible, by which *rules* can be made. We invite all to send for the Almanac, original and well-selected problems, with solutions on *separate* sheets of paper, and if approved will be inserted next year. They should be in the hands of the publishers on or before the 15th of May, 1856.

The Problems in this Almanac are of a highly practical character, and combine utility with the theoretical. Persons who send *correct solutions* of 15 or more of these Problems (post-paid) to the Publishers, Messrs. Maclear & Co., Toronto, before July 1st, 1856, will have the same publicly acknowledged in the Issue for 1857.

We have received correct solutions from our Correspondents as shown below:—

Mr. Thomas Jordan, School Teacher, of Oxford, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 24, 28, 29, 31, 32, 33, 34, 35, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, and Geom. Prob. 1.

Mr. William Cowan, School Teacher, No. 6, Guelph, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, (in part.) 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 26, 29, 31, 32, 33, 34, 35; and Exs. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, and Geom. Prob. 1.

Mr. William Ralph, London, C. W., Probs. 1, 2, 5, 6, 7, 8, 9, 10, 12, (in part), 13, 14, 15, 16; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 23, 24, 25, 26, 28, 29, 30, 31, 33, 34, 35, 37, 39, 40, 42, 43, 44, 46, 49, 50, 53, 54, 55, 56, and Geom. Prob. 1.

Mr. Charles Clark, C. M. Teacher, Cayuga, Probs. 1, 2, 4, 5, 6, 8, 9, 10, 12, 13, 14, 15, 17, 18, 22, 24, 28, 29, 30, 31, 32, 33, 34; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25, 26, 28, 29, 30, 32, 33, 35, 37, 39, 40, 42, 43, 46, 48, 49, 50, 52, 53, 54, 56, and Geom. Prob. 1.

Mr. William Dunne, of St. James, and Teacher in No. 4, Onondaga, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 56, 56, 57, 58, 59; and Geom. Prob. 1.

Mr. John Sheehan, C. T., Onondaga, Brant Co., Probs. 1, 2, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 20, 21, 22, 23, 24, 27, 28, 29, 31, 32, 33, 34, 35, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59; and Geom. Prob. 1.

Mr. Robert Somerville, School Teacher, in Darlington, Probs. 2, 5, 6, 7, 8, 9, 10, 13, 15, 32, and Exs. 1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16 18, 19, 20, 22, 24 25, 26, 28, 29, 33, 40, 42, 43, 46, 48, 49, 50, 53, 54.

Mr. JAMES A. LYNAM, Teacher, Pond Mills, Westminster, Probs. 1, 2, 4, 5, 6, 7, 8, 10, 13, 17, 18, 22, 31, 32, 34; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 14, 15, 16, 18, 19, 20, 22, 26, 28, 29, 31, 33, 34, 37, 39, 40, 48, 49, 50, 53, 54, 56.

Mr. WALTER HENDERSON, C. S. T., Wainfleet, Welland Co., Probs. 2, 4, 5, 6, 7, 8, 9, 13, 15, 31, 35; and Exs. 6, 8, 10, 11, 12, 13, 14, 15, 16, 18, 23, 24, 26, 28, 29, 30, 34, 37, 40, 43, 46, 49, 54, 57.

Mr. V. M. CLEMENTI, Peterboro, Exs, 4, 6, 10, 11, 13, 14, 15 16, 20, 29, 46, and Geom Prob. 1.

Mr. DENIS SMITH, Pensioner, No. 7 Tower, Quebec, Probs. 1, 2, 4, 5, 7, 6, 8, 9, 10, and Exs. 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, and Geom. Prob. 1. *Also Prob*, 19, *in the Almanac of* 1854.

Mr. JAMES SUTHERLAND, of Carradoc. Probs. 2, 5, 6, 7, 8, 9, 10, 17, 24, 29, 31, and Exs. 1, 2, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 19, 20, 22, 23, 24, 26, 28, 29, 30, 31, 34, 39, 40, 48, 50, 54, 56, and Geom. Prob. 1.

Mr. THOMAS MAGINNIS, St. Andrews, Probs. 2, 5, 6, 7, 14, 22, and Exs. 6, 7, 8, 11, 12. 13, 14, 15, 16, 17, 19, 20, 22, 24, 26, 29, 30, 31, 46, 48, 49, 50, 54, 58.

Mr. JAMES MCCLELLAND, Teacher, No. 10, Scarborough, Probs. 1, 2, 5, 6, 10, 13, 22, and Exs. 1, 5, 6, 8, 48, and Geom. Prob. 1.

Mr. JOSEPH OSBORNE, S. T., Enniskillen, Probs. 2, 5, 6, 22, 31, 32.

Mr. JOHN JERRETT, S. T., of Elmgrove, Essa, Probs, 5, 6, 7, 10, 13, 22.

MR. BENJAMIN WALDEN, C. S. T., Elginfield, Probs. 2, 5, 10, 22.

Mr. THOMAS RAMAGE, Etobicoke Probs, 2, 4, 5, 6, 8, 9, 14, 22.

Mr. JAMES GAHAN, York, Probs. 1, 2, 5, 6, 7, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, 31, 32, 33, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 22, 24, 26, 27, 28, 29, 30, 31, 32, 33.

Mr. JOHN CAMPBELL, Teacher, Carradoc, Probs. 1, 2, 4, 5, 6, 8, 9, 10, 13, 14, 15, 17, 18, 22, 24, 29, 31, 32, 34, (in part) and Exs. 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 34, 39, 40, 43, 44, 48, 49, 50, 53, 54, 55, 56 and Geom. Prob. 1.

MARY CAMPBELL, of Carradoc, Probs. 1, 2, 5, 6, 8, 11, 12 (in part), 13, 15, 22, 24, 31, 32, 34, (in part.)

Mr. CHARLES CAMPBELL, Mapleton, Prob. 8, and Exs. 1, 2, 5, 6, 7.

Mr. GEORGE THOMSON, of Tuckersmith, Probs. 2, 5, 6, 8, 9, 10, 14. 15, 22; and Exs. 4, 5, 6, 7, 8, 12, 14, 15, 16, 19, 20, 25, 28, 43, 56.

Mr. NICHOLAS DOWN, S. T., Cobourg, Probs. 2, 5, 6, 7, 13, 14, 20, 31, 34,35, and Exs. 6, 13, 14, 15, 16, 26, 29, 40.

Mr. GEORGE T. EVANS, C. S. T., Missouri West, Probs. 2, 5, 6, 9, 14, 15, 33, and Exs. 4, 5, 6, 7, 8, 10, 13, 14, 18, 19, 20, 24, 26, 29, 30, 33, 37, 40, 43, 46, 49, 50, and Geom. Prob. 1.

Mr. JAMES DEVLIN, F. C. Teacher, Maidstone, Probs. 7, 20, 32, 35; and Exs. 10, 41.

Mr. JOHN IRELAND, C. S. T., Deloware, Probs. 1, 2, 4, 5, 10, 12, 31, 24, 13, 14, 15, 32, and Ex. 2.

Mr. JOHN MILLS, C. S. T., Portsmouth, Probs. 2, 5, 6, 8, 10, 13, 14, 15, 16, 22, 28, 32, 34, 35, and Exs. 2, 4, 5, 6, 8, 10, 12, 13, 24, 25, 26, 28, 29, 33, 46. (Mr. Mills' name, last year was printed Niles.)

Mr. DAVID TROWBRIDGE, Waterburgh, N. Y., Probs. 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 19, 22, 24, 26, 28, 29, 30, 31, 33, 35.

Mr. WILLIAM MCCONNELL, P. L. S., St. Andrews, C. E., Probs. 2, 5, 6, 8, 10, 13, 14, 22, 31, 32, 35; and Exs. 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 19, 20, 24, 26, 29, 30, 34, 37, 39, 40, 43, 46, 48, 49, 53, 54, 56, 57, 58.

Mr. A. C. O'REILLEY, of Wainfleet, Probs. 1, 2, 5, 6, 7, 9, 10, 12, 13, 14, 15, 22, and Exs. 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 19, 20, 29, 30, 43, 46, 48, 50, 58.

Mr. G. W. SHELDON, C. S. T., Harwich, Probs. 2, 5, 6, 7, 10, 13, 16, and Exs. 1, 3, 5, 12, 13, 14, 15, 16, 24, 26, 29, 42, 46, and Geom. Prob. 1.

Mr. BERNARD DE SCUDAMORE, Newburg. Probs. 1, 2, 5, 6, 9, 13, 14, 15, 17, 22, 24, 27, 28, 31, 32, 33, and Exs. 1, 2, 3, 4, 6, 7, 8, 11, 13, 16, 18, 19, 22, 24, 25, 28, 32, 37, 40, 42, 43, 44, 48, 49, 54.

Mr. GEORGE L. LITTLEJOHNS, Yonge, Probs. 2, 5, 6, 7, 8, 10, 13, 22, 34, and Exs. 5, 13, 16, 29.

Mr. MARSHALL MACKLIN, Sen., of Scarborough, Probs. 2, 5, 6, 10, 13, 31, 32, 34.

Mr. WM. LEWIS, of Lorraine, Probs. 2, 5, 6, 7, 10, 13.

Mr. ARCHIBALD MCLELLAN, Dumfries, Probs. 2, 5, 6, 22.

Mr. D. MURRAY, Junior, Montreal, Probs. 2, 5, 6.

Mr. JAMES BURGESS, Etobicoke, Prob. 34.

Mr. JAMES TURNBULL, East Zorra, Probs. 2, 5, 6, 8, 13, 22, and Exs. 1, 8, 12, 13, 16, 40, 49, 54, and Geom. Prob. 1.

Mr. JOHN CAREY, Plympton, Probs. 1, 2, 5, 6, 10, 13, 14, and Exs. 4, 5, 6, 19, 28, and Geom. Prob. 1, and 32 of 1854, nearly.

Mr. JAMES R. DAVIS, Cobourg, Probs. 2, 6, 5, 22, 33, 35, and Exs. 1, 2, 4, 5, 6, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20, 24, 25, 26, 31, 29, 40, 42, 43, 46, 49, 50, 53, 54, 56, 57, and Geom. Prob. 1.

Mr. JOHN JACQUES, of Scarboro, Probs. 6, 22, 5, 34, and Geom. Prob. 1. (in part.)

Mr. JOHN MURRAY, St. Andrews, Probs. 2, 6, 22, and Exs. 8, 16, 24.

Mr. DANIEL DONOGHUE, of Emily, Prob. 2, 5, 6.

Mr. JOHN LORRANER, of Verulam, Prob. 2, 5, 10, 32.

Mr. JAMES FURGUSON, of Kingston, Probs. 5, 6.

Mr. CHARLES RYND, C. S. T., Blanshard, Probs. 2, 5, 6, 22, 32.

Mr. WM. HARRIS, of Morris, Probs. 2, 5.

Mr. PETER SCOTT, of Esquesing, Probs. 5, 6, 31, 32, and Geom. Prob. 1.

Mr. DONALD MCGILLIS, of St. Andrews, Probs. 2, 6, 22; and Exs. 8, 11, 16.

Mr. ANGUS MCDONALD, of St. Andrews, Probs. 2, 6, 7; and Exs. 8, 20, 24, 26.

Mr. WILSON S. WILLIAMS, of Grantham, Probs. 5, 6, 13, 10; Geom. Prob. 1, in part.

Mr. MALCOLM CURRIE, S. T., Sunnidale, Probs. 1, 2, 4, 5, 6, 8. 9, 22, 31, 32, 35; and 32 of 1854.

NOTE.—The Problems for 1854, 1855, and 1856, are, with a very few exceptions, entirely original with ourselves, and the formulæ we publish this year are also, for the most part new. It is quite possible that in these there may be some errors, and if any we will thank our friends to point them out. We shall depend hereafter, upon the friends of the "Exact Science," for problems for the Mathematical department.

SAMUEL H. WRIGHT.

July 15th, 1855.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Tuesd.	*Circumcision.*	Mars near equator.	1 27 10	Pr. 1.—It is required
2	Wed.	(1) Ed. Burke born, 1730.	Saturn South, 10.52 ev.	1 27 10	to divide 1 into four parts,
3	Thur.	(4) Earthquake in Canada, 1663.	Venus South, 8.52 mo.	1 27 10	such that the sum of the
4	Friday	West Indies discovered, 1492.	Venus near Moon.	1 27 10	square roots of the parts
5	Satur.	Treaty bet'n Britain & U. S. 1781.	4th ♄ in Aphelion.	1 27 10	will be to 1 as 17 to 11.
6	SUND.	*Epiphany.*	Moon farthest South.	1 27 10	Pr. 2.—In trying to
7	Mond.	St. Anthony died, aged 105.	Moon near Mercury.	1 27 10	find the largest number
8	Tuesd.	*St. Lucian.*	Venus in Scorpio.	1 27 10	that will divide two other
9	Wed.	Mexican Independence, 1825.	Saturn South, 10.22 ev.	1 27 10	numbers, without re-
10	Thur.	Penny Postage com. in Engl. 1840.	Moon in perigee, ♃ ☌ ☽	1 27 10	mainder, my quotients
11	Friday	First Public Lottery drawn 1569.	Moon near Neptune.	4 27 10	were 2, 3, 1, 2, 1, 5, 3.
12	Satur.	Sir C. Bagot, Gov. Gen, 1842.	Mars in Virgo.	1 27 10	Required those numbers.
13	SUND.	*1st Sunday after Epiphany.*		1 27 10	Pr. 3.—A can mow 1
14	Mond.	Halley died 1742.	Uranus in Taurus.	1 27 10	acre in $5\frac{1}{2}$ hours, B, $1\frac{1}{4}$
15	Tuesd.	Gen. Wolfe born 1726.	Saturn South, 9.57 eve.	1 27 10	acres in $8\frac{1}{3}$ hours and
16	Wed.	Lindley Murray died 1826.	Moon ☌ Uranus.	1 27 10	C. 1 acre in $9\frac{2}{3}$ hours. In
17	Thur.	Benjamin Franklin born 1706.	Venus South 9.3 mo.	1 27 10	what time will they,
18	Friday	*Old Twelfth Day.*	Saturn near Moon.	1 27 10	working together, cut 9
19	Satur.	(20) Amer. Indep. acknowl. 1783.	Moon farthest North.	1 27 10	and five-sixth acres, and
20	SUND.	*Septuagesima.*	Sun enters *Capricornus.*	1 27 10	how much will each cut?
21	Mond.	Louis XVI. guillotined 1793.	Jupiter in Aquarius.	1 27 10	Pr. 4. — How high
22	Tuesd.	*St. Vincent.*	Saturn South 9·27 eve.	1 27 10	above the earth's surface
23	Wed.	Duke of Kent died, 1820.	•	1 27 10	must a man be to see $\frac{1}{4}$
24	Thur.	South Sea Bubble exploded, 1721.	Moon near Regulus.	1 27 10	of its surface?
25	Friday	*Conversion of St. Paul.*	Uranus stationary.	1 27 10	Pr. 5.—A globe whose
26	Satur.	Jenner died 1823.	Moon in Apogee.	1 27 10	diameter is 4 is dropped
27	SUND.	*Sexagesima.*	Saturn in Taurus.	1 27 10	into a conical glass full of
28	Mond.	Admiral Byng shot, 1757.	Mars near Moon.	1 27 10	water, its depth being 6
29	Tuesd.	(30) The Life-boat first used, 1790.	Saturn South, 8 58. ev.	1 27 10	and diameter 5. How
30	Wed.	Charles I. beheaded, 1643.	Venus South, 9.17 mo.	1 27 10	much water will run
31	Thur.	Guy Fawkes executed, 1606.	Mercury in Ascen. Node	1 27 11	over?

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 1.—1st \$3382.705; 2nd \$3872.875; 3rd \$4744.42 Ans.

Prob. 2.—$\frac{1}{8}+\frac{1}{6}=7\div24=$ what both do in 1 day, and in 3 days will do $3\times7\div24=7\frac{7}{8}$. Ans.

Prob. 3.—Let $4=a$, then the side of the required pentagon $=2a\div\left\{(\sqrt{5}+1)+\frac{1}{3}\sqrt{(30+6\sqrt{5})}\right\}$
$=1.47263$ feet Ans.

Or $a\div2.7162194=1.47263$ Ans.

Prob. 4.—Let each side $=12$, $=2a$, and $x=$side of the square required, then $x=2\,a\,(3-\sqrt{3})$
$=15.21539$ Ans.

Prob. 5.—The heirs will share the estate in the ratio of 16,000, 12,000, and 8,000, or as 4, 3, 2

Now $4+3+2=9$.

And 9 : 4 :: 20,000 : 8888 8-9=1st.
" 9 : 3 :: 20,000 : 6666 2-3=2nd. } Ans.
" 9 : 2 :: 20,000 : 4444 4-9=3rd.

Prob. 6.—$24+1=$sum of extremes. $25\times24\div2=300$ Ans.

Prob. 7. $-\frac{3}{4}+\frac{9}{10}+\frac{13}{20}=\frac{46}{20}$. Now $\frac{46}{20}-2\times\frac{13}{20}=1=$twice A.'s work.

$\frac{46}{20}-2\times\frac{18}{20}=\frac{1}{2}=$ twice B's work, and $\frac{46}{20}-2\times\frac{15}{20}=\frac{4}{5}=$ twice C.'s work, and *once* the work of each will be $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{2}{5}$, and they must share the pay in *this* ratio, which is as 10, 5, and 8. Again $10+5+8=23$. Now 23 : 10 :: 26.45 : \$11.50=A.'s, 23 : 5 :: 26,45 : \$5.75=B.'s, and 23 : 8 :: 26.45 \$9.20=C.'s Ans.

Prob. 8.—Let $18=a$, then the side of the square $=\frac{1}{2}a\sqrt{2}=12.7279$ Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
● New Moon	7	6 0 ev	6 32 ev
◐ First Quarter ...	14	10 25 mo	10 58 mo
○ Full Moon	21	10 11 ev	10 44 ev
◑ Last Quarter ...	30	3 17 mo	3 50 mo
☾ Perigee.....	10	4 45 mo	5 17 mo
☾ Apogee.....	26	3 45 mo	4 17 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End. P. M.	Halifax. Beg. A. M.	Halifax. End. P. M.	Montreal. Beg. A. M.	Montreal. End. P. M.	Fredricton. Beg. A. M.	Fredricton. End. P. M.	Quebec. Beg. A. M.	Quebec. End. P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	5 50	6 17	5 52	6 16	5 53	6 14	5 54	6 13	5 55	6 12
7	5 50	6 25	5 25	6 24	5 52	6 24	5 54	6 22	5 55	6 21
10	5 47	6 35	5 48	6 34	5 49	6 33	5 50	6 32	5 50	6 31
26	5 41	6 46	5 41	6 43	5 41	6 45	5 43	6 44	5 43	7 44

Ephemeris of the Planets, &c.

Day	Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South	Jupit'r Decl. South	Saturn Decl. North.
		h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1	...	8 51	5 53	3 31	10 56	281 33	18 40	15 33	12 34	22 13	5 40	16 10	1 12	12 7	22 11
7	...	8 55	5 39	3 12	10 31	286 46	19 12	16 1	12 43	22 18	5 38	17 46	2 6	11 41	22 11
13	...	9 00	5 23	2 53	10 5	292 47	19 38	16 29	12 52	22 23	5 36	19 9	2 51	11 14	22 11
19	...	9 5	5 8	2 34	9 40	298 51	20 4	16 58	13 0	22 28	5 35	20 18	3 38	10 45	22 11
25	...	9 11	4 51	2 15	9 15	305 0	20 29	17 28	13 7	22 33	5 33	21 8	4 15	10 16	22 11
31	...	9 18	4 33	1 57	8 50	311 5	20 54	17 58	13 13	22 38	5 32	21 39	4 47	9 45	22 12

Day of Month	Day of Week.	Day of Year	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian Evening.	Shadow at Noon Mark. Evening.	Mn's Age Noon.	Moon South. Morn.	Moon's Place at 7 P. M.	Sun's Declination. South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s. °	° ′ ″
1	Tuesd	1	7 36	4 32	52	7 48	4 20	54	6 23 20	12 3 42	23.3	6 38	♍ 27	23 2 26
2	Wed.	2	7 36	4 33	1 55	7 48	4 21	1 58	6 19 23	12 4 11	24.3	7 20	♎ 10	22 57 21
3	Thur.	3	7 36	4 34	3 1	7 48	4 22	3 7	6 15 26	12 4 39	25.3	8 6	do. 22	22 51 49
4	Friday	4	7 36	4 35	4 12	7 47	4 23	4 20	6 11 29	12 5 6	26.3	8 56	♏ 6	22 45 49
5	Satur.	5	7 36	4 36	5 26	7 47	4 24	5 36	6 7 33	12 5 34	27.3	9 51	do. 19	22 39 23
6	SUND.	6	7 36	4 37	6 37	7 47	4 25	6 48	6 3 36	12 6 0	28.3	10 51	♐ 3	20 30 30
7	Mond.	7	7 35	4 38	Sets	7 47	4 26	Sets.	5 59 39	12 6 27	29.3	11 54	do. 17	22 25 9
8	Tues l.	8	7 35	4 39	5 26	7 47	4 28	5 16	5 55 42	12 6 53	0.7	Ev. 56	♑ 2	22 17 23
9	Wed.	9	7 35	4 40	6 46	7 47	4 29	6 39	5 51 45	12 7 18	1.7	1 57	do. 17	22 9 10
10	Thur.	10	7 35	4 41	8 8	7 46	4 30	8 3	5 47 49	12 7 43	2.7	2 53	♒ 1	22 0 31
11	Friday	11	7 34	4 42	9 27	7 46	4 31	9 25	5 43 52	12 8 7	3.7	3 45	do. 16	21 51 26
12	Satur.	12	7 34	4 43	10 45	7 46	4 32	10 44	5 39 55	12 8 31	4.7	4 35	♓ 0	21 41 55
13	SUND.	13	7 34	4 45	11 57	7 45	4 34	11 59	5 35 58	12 8 54	5.7	5 22	do. 15	21 32 0
14	Mond.	14	7 33	4 46	Morn	7 45	4 36	Morn	5 32 2	12 9 16	6.7	6 10	do. 29	21 21 39
15	Tuesd.	15	7 33	4 47	1 12	7 44	4 37	1 16	5 28 5	12 9 38	7.7	6 59	♈ 12	21 10 54
16	Wed.	16	7 32	4 48	2 24	7 43	4 38	2 31	5 24 8	12 9 59	8.7	7 50	do. 26	20 59 45
17	Thurs.	17	7 31	4 50	3 40	7 42	4 39	4 45	5 20 11	12 10 19	9.7	8 43	♉ 9	20 48 11
18	Friday	18	7 31	4 51	4 47	7 42	4 40	4 57	5 16 15	12 10 38	10.7	9 38	do. 22	20 36 14
19	Satur.	19	7 30	4 52	5 51	7 41	4 41	6 3	5 12 18	12 10 57	11.7	10 34	♊ 4	20 23 54
20	SUND.	20	7 29	4 53	6 47	7 40	4 42	6 59	5 8 21	12 11 15	12.7	11 29	do. 17	20 11 10
21	Mond.	21	7 29	4 55	Rises	7 39	4 43	Rises	5 4 24	12 11 33	13.7	Morn	do. 30	19 58 4
22	Tuesd.	22	7 28	4 56	5 26	7 38	4 45	5 17	5 0 28	12 11 49	14.7	0 21	♋ 12	19 44 36
23	Wed.	23	7 27	4 57	6 30	7 37	4 47	6 24	4 56 31	12 12 5	15.7	1 9	do. 24	19 30 46
24	Thurs.	24	7 26	4 59	7 32	7 36	4 48	7 28	4 52 34	12 12 20	16.7	1 54	♌ 6	19 16 34
25	Friday	25	7 25	5 00	8 34	7 35	4 50	8 32	4 48 37	12 12 34	17.7	2 36	do. 18	19 2 1
26	Satur.	26	7 24	5 01	9 36	7 34	4 52	9 35	4 44 41	12 12 47	18.7	3 16	do. 30	18 47 7
27	SUND.	27	7 23	5 03	10 30	7 33	4 53	10 32	4 40 44	12 13 0	19.7	3 55	♍ 11	18 31 52
28	Mond.	28	7 22	5 04	11 37	7 32	4 54	11 41	4 36 47	12 13 12	20.7	4 34	do. 23	18 16 18
29	Tuesd	29	7 21	5 06	Morn	7 31	4 56	Morn	4 32 51	12 13 23	21.7	5 14	♎ 5	18 0 23
30	Wed.	30	7 20	5 07	43	7 30	4 58	48	4 28 54	12 13 33	22.7	5 57	do. 18	17 44 9
31	Thurs.	31	7 19	5 08	1 53	7 29	4 59	2 0	4 24 57	12 13 42	23.7	6 44	do. 30	17 27 37

Prob. 6.—The bulge diameter of a cheese is 19 inches, and side diameter 18 inches. It is 6 in. deep at the edges, and 7 in. at the centre of the sides. Required its solid contents.

Prob. 7.—The three lines drawn from the angles of a triangle perpendicular to the opposite sides, meet in a point—if the length of these lines from the angles to the point where they meet are 1, $\sqrt{6}$, and $\sqrt{6}$ respectively, it is required to determine the sides of the triangle by quadratic equations.

Prob. 8.—Given $x^4-2x^3+x=2$, to find x.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star. ° ′ ″
1	Friday	York Cathedral Fired 1829.	☿ Gr. elong. E. 18°17′	1 27 11
2	Satur.	*Candlemas.*	Saturn South 8·42 ev.	1 27 11
3	SUND.	*Quinquagesima.*	Venus near Moon morn	1 27 11
4	Mond.	(3) Spanish Inquisition abol. 1813.	☿ in perihelion [lowest	1 27 11
5	Tuesd.	*Shrove Tuesday.*	Venus farthest South.	1 27 11
6	Wed.	*Ash Wednesday.*	♅ 90° East of Sun.	1 27 11
7	Thur.	Mary Queen of Scots beh. 1587.	☽ perigee. ☽ ♂ ☿ & ♃	1 27 11
8	Friday	Pythagoras born, 586 B. C.	Neptune near Moon.	1 27 12
9	Satur.	(10) Queen Victoria married, 1840	Saturn South 8·13 eve.	1 27 12
10	SUND.	*1st Sunday in Lent.*	Venus in Sagittarius.	1 27 12
11	Mond.	Washington born, 1733.	Venus South, 9·31 mo.	1 27 12
12	Tuesd.	Lady Jane Grey & husb. beh. 1554.	Moon near Uranus.	1 27 12
13	Wed.	Massacre of Glencoe, 1691.	Mars in Virgo.	1 27 12
14	Thur.	*St. Valentine.*	Jupiter in Aquarius.	1 27 13
15	Friday	National Debt of Eng. com. 1500.	Moon near Saturn.	1 27 13
16	Satur.	(17) Michael Angelo died, 1564.	Moon farthest North.	1 27 13
17	SUND.	*2nd Sunday in Lent.*	☿ Inf. ☌ Sun.	1 27 13
18	Mond.	Martin Luther died, 1546.	Saturn South 7.37½ ev.	1 27 13
19	Tuesd.	Galileo born, 1564.	Sun enters *Aquarius.*	1 27 14
20	Wed.	Voltaire born, 1694.	Moon near Regulus.	1 27 14
21	Thur.	Archbishop Cranmer burnt 1556.	Saturn South 7.26 ev.	1 27 14
22	Friday	Sir Joshua Reynolds died 1792.	Moon in Apogee.	1 27 14
23	Satur.	Louis Philippe abdicated 1848.	♄ stationary.	1 27 14
24	SUND.	*3rd Sunday in Lent.*	Mars stationary.	1 27 15
25	Mond.	Sir Christopher Wren died, 1723.	(24) Moon near Mars.	1 27 15
26	Tuesd.	Napoleon escaped from Elba, 1815	Venus South 9.49 mo.	1 27 15
27	Wed.	Gas used in London streets, 1820.	Saturn South 7.2 eve.	1 27 15
28	Thur.	(27) Sir J. Colborne, Adm. 1838.	Saturn in Taurus.	1 27 16
29	Friday	Intercalated Day.	Mercury stationary.	1 27 16

Prob. 9.—The sides of a triangle are 13, 14, and 15. If a line drawn parallel to the longest side cuts off an area of 24, what are the sides enclosing the area?

Prob. 10.—How much more surface will a circle contain than a square, the perimeter of each being 400 rods?

Prob. 11.—If $3\frac{1}{2}$ times $3\frac{1}{2}$ yards cost $1\frac{1}{4}$ times $1\frac{1}{2}$ dollars, what will $\frac{1}{2}$ times the $\frac{1}{2}$ of the $\frac{1}{2}$ of $12\frac{1}{4}$ yards cost?

Prob. 12.—How many acres of land in a tract bounded by the parallels of 40° and 50° of north latitude, and by the meridians of 80° and 90° of longitude?

Prob. 13.—How many balls in a triangular pile, there being 12 on each side of the base?

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 9.—Let $20=a$, then the side of the octagon $=a(\sqrt{2}-1)=8.28427$ Ans.

Prob. 10.—$14467.504 Ans.

Prob. 11.—Let $r=4000\times5280$ feet; $g=32\frac{1}{6}$, then the time $=\frac{1}{2}(3.1416)\sqrt{r}\div\sqrt{g}=1272.81$ seconds, Ans.

Velocity $=\sqrt{gr}=400\sqrt{4246}=26064.533$ feet Ans.

Prob. 12.—Number of bounds will be *infinite*. Distance moved 36 feet, or 24 feet in *descent*, and 12 in ascent. The *times* of ascent and descent are computed in conformity to the law of falling bodies, and it (the time) is $=5.034472866$ seconds, or about 1-12th of a minute, Ans.

Prob. 13.—$(3\times3\times14\times4\times90\times12)\div(18\times5\times15\times7\times6)=9$ 3-5 hours Ans.

Prob. 14.—Dividing line $=13{,}583$ inches. Length of the pieces 5.6676894 feet, and 6.3323106 feet, Ans.

Prob. 15.—Let $x=$ radius of semicircle, then $x\sqrt{2}=$radius of quadrant. Now $x^2=\sqrt{a}=10$, in which the area $100=a$. Hence diameter $=20$, Ans.; and $x\sqrt{2}=14.142136$ Ans.

Prob. 16.—The length of plane must be twice the height, since the sine of $30°=\frac{1}{2}$ radius. Now let $x=$the height, then $\sqrt{(2\times32\frac{1}{6}\times x)}=600$; hence $64\frac{4}{3}=3600$, and $x=5595.855$ feet, and twice this$=11191.71$ feet, Ans.

Prob. 17.—Let $32=d$, $43=a$, $45=b$, $40=c$, and the required height$=x=\frac{1}{d}\sqrt{\left\{\frac{1}{3}\left(a^2b^2+b^2c^2+a^2c^2-a^4-b^4-c^4-d^4+d^2(a^2+b^2+c^2)\right)\right\}}=37.974$ feet Ans.

+ House opened 1856.

Moon' Phases.	D.	Toronto.	Quebec.
		h m	h m
New Moon	6	5 19 mo	5 51 mo
First Quarter ...	12	8 54 ev	9 27 ev
Full Moon	20	4 23 ev	4 55 ev
Last Quarter ...	28	8 24 ev	8 56 ev
Perigee	7	9 21 mo	9 53 mo
Apogee	22	1 45 ev	2 17 ev

Twilight or Daylight begins and ends at—

Day.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredrict'n Beg. A. M.	Fredrict'n End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	5 39	6 48	5 39	6 48	5 49	6 47	5 41	6 47	5 41	6 47
7	5 29	6 59	5 30	6 59	5 30	6 59	5 30	6 59	5 30	6 59
13	5 14	7 14	5 16	7 12	5 16	7 12	5 16	7 12	5 16	7 12
19	5 2	7 22	5 2	7 23	5 2	7 22	5 1	7 25	5 0	7 25

Ephemeris of the Planets, &c.

Day	Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
		h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1	...	9 19	4 30	1 51	8 46	312 6	20 58	18 3	13 14	22 39	5 32	21 43	4 52	9 46	22 12
7	...	9 26	4 12	1 35	8 22	318 11	21 23	18 34	13 18	22 44	5 31	21 49	5 15	9 9	22 12
13	...	9 34	3 52	1 17	7 57	324 15	21 46	19 5	13 22	22 49	5 30	21 33	5 31	8 37	22 13
19	...	9 41	3 30	1 2	7 34	330 18	22 10	19 36	13 24	22 54	5 30	20 54	5 39	8 4	22 14
25	...	9 48	3 7	0 41	7 10	336 20	22 35	20 7	13 25	23 0	5 30	19 54	5 39	7 31	22 15
29	...	9 52	2 51	0 28	6 51	340 21	22 47	20 27	13 24	23 3	5 30	19 2	5 34	7 9	22 16

Day of Month	Day of Week.	Day of Year	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian. Evening.	Shadow at Noon Mark. Evening.	Mn's Age Noon.	Moon South, Morn.	Moon's Place at 7 P. M.	Sun's Declination South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s	° ′ ″
1	Friday	32	7 18	5 10	3 27	7 28	5 0	3 12	4 21 6	12 13 51	24.7	7 35	♏	13 17 10 45
2	Satur.	33	7 17	5 11	4 14	7 26	5 2	4 24	4 17 3	12 13 59	25.7	8 32	do.	27 16 53 36
3	SUND.	34	7 16	5 13	5 22	7 25	5 3	5 34	4 13 7	12 14 6	26.7	9 33	♐	11 16 36 8
4	Mond.	35	7 14	5 14	6 19	7 23	5 5	6 31	4 9 10	12 14 12	27.7	10 35	do.	25 16 18 23
5	Tuesd.	36	7 13	5 16	Sets	7 22	5 6	Sets	4 5 13	12 14 17	28.7	11 38	♑	10 16 0 22
6	Wed.	37	7 12	5 17	5 40	7 20	5 8	5 34	4 1 17	12 14 22	0.3	ev. 27	do.	25 15 42 3
7	Thur.	38	7 11	5 18	7 3	7 19	5 9	7 0	3 57 20	12 14 26	1.3	1 33	♒	10 15 23 9
8	Friday	39	7 8	5 19	8 29	7 19	5 11	8 27	3 53 23	12 14 28	2.3	2 25	do.	25 15 4 39
9	Satur.	40	7 7	5 21	9 41	7 17	5 13	9 41	3 49 27	12 14 31	3.3	3 16	♓	10 14 45 34
10	SUND.	41	7 6	5 22	10 57	7 16	5 14	11 1	3 45 30	12 14 32	4.3	4 5	do.	25 14 26 14
11	Mond.	42	7 4	5 24	Morn	7 15	5 15	Morn	3 41 33	12 14 32	5.3	4 55	♈	9 14 6 39
12	Tuesd.	43	7 3	5 25	12 7	7 14	5 16	18	3 37 37	12 14 32	6.3	5 46	do.	22 13 46 51
13	Wed.	44	7 2	5 27	1 27	7 12	5 18	1 36	3 33 40	12 14 31	7.3	6 39	♉	6 13 26 49
14	Thur.	45	7 1	5 28	2 39	7 9	5 20	2 48	3 29 44	12 14 29	8.3	7 34	do.	19 13 6 35
15	Friday	46	7 0	5 29	3 46	7 8	5 21	3 57	3 25 47	12 14 27	9.3	8 30	♊	1 12 46 8
16	Satur.	47	6 58	5 31	4 45	7 6	5 23	4 47	3 21 50	12 14 23	10.3	9 24	do.	14 12 25 28
17	SUND.	48	6 56	5 32	5 33	7 5	5 22	5 45	3 17 54	12 14 19	11.3	10 16	do.	26 12 4 37
18	Mond.	49	6 55	5 33	6 12	7 3	5 25	6 22	3 13 57	12 14 14	12.3	11 5	♋	9 11 43 34
19	Tuesd.	50	6 53	5 35	6 45	7 2	5 26	6 53	3 10 1	12 14 9	13.3	11 51	do.	21 11 22 20
20	Wed.	51	6 52	5 36	Rises	7 0	5 28	Rises	3 6 4	12 14 3	14.3	Morn	♌	3 11 0 56
21	Thur.	52	6 50	5 37	6 25	6 58	5 30	6 22	3 2 8	12 13 56	15.3	0 34	do.	15 10 39 22
22	Friday	53	6 49	5 39	7 26	6 56	5 32	7 25	2 58 11	12 13 48	16.3	1 14	do.	26 10 17 38
23	Satur.	54	6 47	5 40	8 27	6 55	5 33	8 28	2 54 14	12 13 40	17.3	1 53	♍	8 9 55 44
24	SUND.	55	6 45	5 42	9 30	6 54	5 34	9 32	2 50 18	12 13 32	18.3	2 32	do.	20 9 33 41
25	Mond.	56	6 44	5 43	10 32	6 51	5 35	10 37	2 46 22	12 13 22	19.3	3 12	♎	2 9 11 30
26	Tuesd.	57	6 42	5 44	11 38	6 49	5 37	11 45	2 42 25	12 13 12	20.3	3 53	do.	14 8 49 10
27	Wed.	58	6 40	5 46	Morn	6 47	5 39	Morn	2 38 29	12 13 2	21.3	4 38	do.	26 8 26 42
28	Thur.	59	6 39	5 47	48	6 45	5 41	56	2 34 32	12 12 51	22.3	5 26	♏	9 8 4 7
29	Friday	60	6 38	5 48	57	6 44	5 42	1 7	2 30 36	12 12 40	23.3	6 19	do.	22 7 41 25

PROB. 14.—A loaf of bread in the shape of a hemisphere of radius $9=a$, is to be baked until it is half crust, which must be of the same thickness top and bottom. How thick will it be?

PROB. 15.—Required the dimensions of the strongest rectangular beam that can be sawed from a log 4 feet in diameter.

PROB. 16.—A bar of iron of uniform dimensions, weighing 300 lbs., is fastened to a vertical wall at one end by a hook, the other end being attached to a pulley fixed in a horizontal line with the hook, and at a distance from it equal to the length of the bar. If the pulley rope have a weight of 100 lbs. attached to it, what angle of inclination to the horizon will the bar take?

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Satur.	*St. David.*	Saturn South 6.51 ev.	1 27 16	Prob. 17.—Two wheels
2	SUND.	*4th Sunday in Lent.*	Moon farthest South.	1 27 16	whose diameters are 48
3	Mond.	(2) Emperor of Russia died, 1855.	Venus in Desc. Node.	1 27 17	and 6, stand upright and
4	Tuesd.	First Congress of U. S. 1789.	Moon near Venus & ☿	1 27 17	touch each other at their
5	Wed.	(6)York changed to Toronto, 1834	Jupiter ☌ Sun.	1 27 17	rims. If they stand upon
6	Thur.	Michael Angelo born, 1475.	Moon perigee, ☌ ♃	1 27 17	the same level, where
7	Friday	Bank of Eng. stopped paym. 1797	☿ in Desc. Node.	1 27 18	will they touch?
8	Satur.	Raphael born 1483.	Saturn South 6.24 ev.	1 27 18	
9	SUND.	*5th Sunday in Lent.*	Uranus near Moon.	1 27 18	Prob. 18.—Required
10	Mond.	(9) David Rizzio assass. 1566.	Saturn South 6.16 ev.	1 27 18	the surface and solidity
11	Tuesd.	Benjamin West died, 1820.	Mars in Virgo.	1 27 19	of a solid that will *ex-*
12	Wed.	Priestly born, 1733.	Venus South 10.4 Mo.	1 27 19	*actly* fill the largest
13	Thur.	(14) York (Toronto) market t. 1814	Saturn 90° E. of Sun.	1 27 19	square hole that can be
14	Friday	Klopstock died 1803.	Moon Highest.	1 27 20	made through a globe 2
15	Satur.	(16) Battle of Culloden, 1746.	Jupiter in Aquarius.	1 27 20	feet in diameter.
16	SUND.	*Palm Sunday.*	Saturn in Taurus.	1 27 20	
17	Mond.	*St. Patrick.*	♃ only 2′ from Neptune	1 27 20	Prob. 19.—If a wheel
18	Tuesd.	Princess Louisa born, 1848.	Moon near Regulus.	1 27 21	5 feet in diameter rolls
19	Wed.	Le Brun born, 1618, died 1690.	Mercury in Aphelion.	1 27 21	10¼ times over, how far
20	Thur.	F. Stone Toronto Exch. laid, 1855	Sun enters Pisces.	1 27 21	will a spike in the tire
21	Friday	*Good Friday.*	20th.—Moon in apogee.	1 27 22	move, and what space
22	Satur.	Goethe died, 1832.	Moon near Mars.	1 27 22	will it enclose at each
23	SUND.	*Easter Sunday.*	Uranus in Taurus.	1 27 22	revolution?
24	Mond.	Earl of Chesterfield died, 1773.	Venus in Aquarius.	1 27 22	
25	Tuesd.	*Lady Day.*		1 27 23	Prob. 20.—If a circle
26	Wed.	Duke of Cambridge born, 1819.	Venus South, 10.16 mo.	1 27 23	2 feet in diameter revolve
27	Thur.	Gunpowder introduced, 1380.		1 27 23	around a line tangent to
28	Friday	Canada ceded to France, 1632.		1 27 24	its circumference, what
29	Satur.	Siege of Acre, 1799.	Moon farthest South.	1 27 24	will be the surface and
30	SUND.	*1st Sunday after Easter.*	☿ near Neptune.	1 27 24	solidity of the body pro-
31	Mond.	Beethoven died 1827	Venus South 10.19 mo.	1 27 25	duced?

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 18.—Let $28=a$, $30=b$, $34=c$, $50=d$, and length of pole$=x$,

$$\text{Then } x=\frac{1}{d}\sqrt{\left\{\tfrac{1}{3}\left(-a^2b^2-b^2c^2-a^2c^2+a^4+b^4+c^4+d^4+d^2(a^2+b^2+c^2)\right)\right\}}$$

$=42.36144$ feet, Ans.

Let the distances from the corners to the foot of the pole be y, z, and s, then

$$y=\frac{1}{d}\sqrt{\left\{\tfrac{1}{3}\left(-a^2b^2-b^2c^2-a^2c^2+a^4+b^4+c^4+d^4+d^2\,(-2a^2+b^2+c^2)\right)\right\}}$$

$=31{\cdot}7882$ feet Ans.

$$z=\frac{1}{d}\sqrt{\left\{\tfrac{1}{3}\left(-a^2b^2-b^2c^2-a^2c^2+a^4+b^4+c^4+d^4+d^2(a^2-2b^2+c^2)\right)\right\}}$$

$=29.90804$ feet, Ans.

$$\text{and } s=\frac{1}{d}\sqrt{\left\{\tfrac{1}{3}\left(-a^2b^2-b^2c^2-a^2c^2+a^4+b^4+c^4+d^4+d^2\,(a^2+b^2-2c^2)\right)\right\}}$$

$=25{\cdot}2684$ feet, Ans.

Prob. 19.—Let $P=30$ lbs., $a=6$, and ½ of $4=b$, then the *horizontal* force on the upper hinge *outward*, and on the lower one *inward*, is$=P\,b\div a=10$ lbs. The *downward* force is 15 on each hinge. Hence the first force is$+10$ lbs. and-10 lbs.

Prob. 20.—Sides 29, 29, 40, in one; in the other 37, 37, 24. Ans.

Note.—This we think has an indefinite number of answers; thus two triangles whose sides are 10, 10, 12, and 11.38, 11.38, 9.231 proves, according to Mr. Cowan; as also 58, 58, 80, and 74, 74, 48 according to Mr Gahan.

Prob. 21.—Ans. 12, 15, and 20.

ATICAL PROBLEMS.

17.—Two wheels
ameters are 48
and upright and
ch other at their
they stand upon
e level, where
touch?

18.—Required
ice and solidity
d that will *ex-*
l the largest
ole that can be
rough a globe 2
ameter.

19.—If a wheel
a diameter rolls
s over, how far
pike in the tire
nd what space
enclose at each
n?

20.—If a circle
diameter revolve
line tangent to
nference, what
the surface and
of the body pro-

$^2+c^2)) \}$

d s, then

$+c^2)) \}$

$^2)) \}$

$b^2-2c^2)) \}$

ne upper hinge
ward force is

triangles whose
to Mr. Cowan;

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
● New Moon . . .	6	3 22 ev	3 54 ev
◐ First Quarter .	13	9 19 mo	9 51 mo
○ Full Moon . . .	22	10 47 mo	11 20 mo
◑ Last Quarter . .	29	9 14 mo	9 47 mo
☽ Perigee	6	8 9 ev	8 41 ev
☽ Apogee	20	3 21 ev	3 53 ev

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredric'n. Beg. A. M.	Fredric'n. End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	5 9	7 17	5 0	7 25	4 59	7 26	4 59	7 26	4 58	7 27
10	4 47	7 36	4 44	7 37	4 42	7 38	4 42	7 39	4 41	7 40
20	4 26	7 49	4 24	7 51	4 22	7 53	4 21	7 54	4 20	7 55
30	4 7	8 2	4 4	8 5	4 1	8 7	4 0	8 9	3 58	8 11

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	9 54	2 42	0 25	6 51	341 21	22 51	20 32	13 24	23 4	5 30	18 48	5 30	7 3	22 17
7 ...	10 0	2 21	0 7	6 27	347 22	23 14	21 2	13 21	23 10	5 31	17 11	5 15	6 30	22 18
13 ...	10 5	1 53	Morn	6 5	353 21	23 36	21 31	13 17	23 15	5 2	15 16	4 49	5 56	22 20
19 ...	10 11	1 23	11 31	5 42	359 19	23 57	22 0	13 11	23 20	5 33	13 6	4 15	5 23	22 22
25 ...	10 15	0 47	11 12	5 20	5 15	0 19	22 28	13 3	23 26	5 34	10 43	3 28	4 49	22 24
31 ...	10 19	0 21	10 54	4 58	11 11	0 41	22 56	12 56	23 31	5 36	8 9	2 52	4 16	22 26

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian Evening.	Shadow at Noon Mark, Evening.	Mn's Age Noon.	Moon South, Morn.	Moon's Place at 7 P. M.	Sun's Declination South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Satur.	61	6 37	5 48	3 5	6 43	5 43	3 16	2 26 39	12 12 28	24.3	7 16	♑ 5	7 18 36
2	SUND.	62	6 35	5 49	4 0	6 41	5 44	4 11	2 22 43	12 12 15	25.3	8 10	do. 19	6 55 40
3	Mond.	63	6 33	5 51	4 56	6 39	5 45	5 7	2 18 46	12 12 2	26.3	9 17	♒ 3	6 32 39
4	Tues.	64	6 32	5 52	5 39	6 38	5 46	5 47	2 14 50	12 11 49	27.3	10 17	do. 18	6 9 32
5	Wed.	65	6 30	5 53	6 11	6 37	5 47	6 18	2 10 54	12 11 35	28.3	11 15	♓ 3	5 46 20
6	Thur.	66	6 28	5 55	Sets	6 36	5 48	Sets	2 6 57	12 11 21	29.3	ev. 9	do. 19	5 23 4
7	Friday	67	6 26	5 56	7 15	6 33	5 49	7 15	2 3 1	12 11 6	0.9	1 2	♈ 4	4 59 42
8	Satur.	68	6 25	5 57	8 33	6 32	5 50	8 35	1 59 5	12 10 51	1.9	1 53	do. 19	4 36 18
9	SUND.	69	6 23	5 59	9 52	6 30	5 52	9 57	1 55 8	12 10 36	2.9	2 44	♉ 4	4 12 49
10	Mond.	70	6 21	6 0	11 10	6 27	5 53	11 17	1 51 12	12 10 20	3.9	3 37	do. 18	3 49 18
11	Tues.	71	6 19	6 1	Morn	6 26	5 54	Morn	1 47 16	12 10 4	4.9	4 32	♊ 2	3 25 43
12	Wed.	72	6 17	6 2	27	6 24	5 56	36	1 43 19	12 9 48	5.9	5 28	do. 15	3 2 7
13	Thur.	73	6 16	6 3	1 37	6 22	5 58	1 49	1 39 23	12 9 31	6.9	6 24	do. 28	2 38 29
14	Friday	74	6 14	6 4	2 40	6 19	5 59	2 52	1 35 27	12 9 14	7.9	7 20	♋ 11	2 14 49
15	Satur.	75	6 12	6 6	3 33	6 17	6 1	3 46	1 31 31	12 8 57	8.9	8 13	do. 23	1 51 8
16	SUND.	76	6 10	6 7	4 15	6 15	6 3	4 24	1 27 35	12 8 39	9.9	9 3	♌ 6	1 27 27
17	Mond.	77	6 8	6 8	4 49	6 13	6 4	4 57	1 23 38	12 8 22	10.9	9 49	do. 18	1 3 45
18	Tuesd.	78	6 6	6 9	5 16	6 12	6 5	5 22	1 19 42	12 8 4	11.9	10 33	do. 30	0 40 2
19	Wed.	79	6 5	6 10	5 38	6 10	6 6	5 43	1 15 46	12 7 46	12.9	11 44	♍ 12	S 16 21
20	Thur.	80	6 3	6 11	5 58	6 8	6 8	6 0	1 11 50	12 7 28	13.9	11 53	do. 23	N 7 21
21	Friday	81	6 1	6 12	6 16	6 6	6 9	6 16	1 7 54	12 7 9	14.9	Morn	♎ 5	0 31 1
22	Satur.	82	5 59	6 14	Rises	6 4	6 10	Rises	1 3 58	12 6 51	15.9	0 32	do. 17	0 54 40
23	SUND.	83	5 57	6 15	8 25	6 3	6 11	8 28	1 0 2	12 6 33	16.9	1 11	do. 29	0 18 17
24	Mond.	84	5 55	6 16	9 30	6 0	6 12	9 36	0 56 5	12 6 14	17.9	1 52	♏ 11	1 21 53
25	Tues.	85	5 54	6 17	10 38	5 58	6 13	10 46	0 52 9	12 5 55	18.9	2 35	do. 23	2 5 36
26	Wed.	86	5 52	6 19	11 45	5 57	6 14	11 55	0 48 13	12 5 37	19.9	3 33	♏ 5	2 28 56
27	Thur.	87	5 50	6 20	Morn	5 55	6 15	Morn	0 44 17	12 5 18	20.9	4 13	do. 18	2 52 23
28	Friday	88	5 48	6 21	53	5 53	6 17	1 5	0 40 21	12 5 0	21.9	5 7	♐ 1	3 15 48
29	Satur.	89	5 46	6 22	1 55	5 50	6 20	2 7	0 36 25	12 4 41	22.9	6 5	do. 14	3 39 8
30	SUND.	90	5 45	6 23	2 50	5 48	6 22	3 1	0 32 29	12 4 23	23.9	7 4	do. 28	4 2 25
31	Mond.	91	5 43	6 25	3 32	5 45	6 23	3 42	0 28 33	12 4 5	24.9	8 2	♑ 12	4 25 37

PROB. 21.—A pile driver weighs 2¼ tons, and falls upon a pile with a descent of 10 feet. Required its driving force.

PROB. 22.—Required the sides of three right angled triangles, in whole numbers, such that their areas shall all be equal.

PROB. 23.—The base A B, of a triangle, is 16, and a line drawn from a point C, in the line A B, to the vertical angle D, measures 11; the diameter of the circumscribing circle is 20, and A C is to B C as A D is to B D. Hence A D and B D are required.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Tuesd.	All Fools' Day.	Mars brightest ☍ Sun.	1 27 25	Prob. 24.—If a triangle whose base is 8, and other two sides 4 and 6, revolve about the base, what will be the surface and solidity of the body produced?
2	Wed.	Mirabeau died, 1791.	Jupiter near ☿ ♀ ♂ ☽	1 27 25	
3	Thur.	Napier died 1617.	Moon ♂ Jupiter.	1 27 25	
4	Friday	(5) Goldsmith died. 1774.	Moon in Perigee.	1 27 26	
5	Satur.	Canada discovered, 1499.	Venus South 10.22 mo.	1 27 26	
6	SUND.	*2nd Sunday after Easter.*	Venus in Aphelion.	1 27 26	
7	Mond.	Don Pedro, Emp. Brazil abd. 1831	Moon near Uranus.	1 27 27	
8	Tuesd.	Hudson's Bay Co. estab. 1672.	Mars South 11·32 ev.	1 27 27	Prob. 25.—If the triangle in Problem 24 revolve about a line perpendicular to either end of the base, what will be the surface and solidity of the body generated?
9	Wed.	Lord Bacon died 1626.	*Jupiter 27′ N. of Venus.*	1 27 27	
10	Thur.	Catholic Emancip. B. passed 1829.	Moon farthest North.	1 27 28	
11	Friday	Napoleon abdicated 1814.	Venus South 10.26 mo.	1 27 28	
12	Satur.	America discovered, 1492.	Venus in Aquarius.	1 27 28	
13	SUND.	*3rd Sunday after Easter.*	Mars in Virgo.	1 27 28	
14	Mond.	(13) Vaccination introduced, 1796.	Moon near Regulus.	1 27 29	
15	Tuesd.	Mutiny at Spithead, 1797.	Venus South 10.28 mo.	1 27 29	Prob. 26.—If a right-angled triangle, whose sides are 6, 8, and 10, revolve about a line perpendicular to the vertex at the base, what will be the solidity and surface of the solid thus generated?
16	Wed.	Buffon died 1788.	Moon in Apogee.	1 27 29	
17	Thur.	Abernethy died, 1831.	Venus on equator.	1 27 30	
18	Friday	First Newspaper in America, 1704	Moon near Mars.	1 27 30	
19	Satur.	American Revolution, 1775.	Sun enters Aries.	1 27 30	
20	SUND.	*4th Sunday after Easter.*	Moon eclipsed.	1 27 30	
21	Mond.	(22) Earl Dalhousie born, 1812.	Jupiter in Aquarius.	1 27 31	
22	Tuesd.	Duke of Sussex died, 1843.	Venus South 10·32 Mo.	1 27 31	
23	Wed.	*St. George's Day.*	Mars South 10.14 ev.	1 27 31	
24	Thur.	(23) Shakspere b. 1564; d. 1616.	Saturn in Taurus.	1 27 32	Prob. 27.—If a right-angled triangle whose base is 6 and perpendicular 8, revolve about its base, what will be the surface and solidity of the body generated?
25	Friday	(24) Oliver Cromwell born 1599.	Moon lowest.	1 27 32	
26	Satur.	Jeremy Collier died, 1726.	☿ Sup. conj. sun.	1 27 32	
27	SUND.	*Rogation Sunday.*	Uranus in Taurus.	1 27 32	
28	Mond.	(27) Battle of York, U. C., 1813.	Mercury in Ascen. node	1 27 33	
29	Tues.	Dr. Babington died 1833.	Mars South 9·45 ev.	1 27 33	
30	Wed.	Steamer *Ocean-Wave* burnt 1853.	Moon near Neptune.	1 27 33	

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 22.—Let $6=a$, $24=b$, then $\sqrt{ab}=12$ lbs. Ans.

Prob. 23.—Let $30=a$, $20=b$, $10=c$, then the side required $=2\sqrt{\left\{\frac{1}{2}\left(a^2+b^2+c^2\pm\sqrt{\{6(a^2b^2+b^2c^2+a^2c^2)-3(a^4+b^4+c^4)\}}\right)\right\}}=20\sqrt{7}=52.9150262$ rods.

The area $=\frac{1}{2}\sqrt{(3)}\left(a^2+b^2+c^2\pm\sqrt{\left\{6(a^2b^2+b^2c^2+a^2c^2)-3(a^4+b^4+c^4)\right\}}\right)=700\sqrt{(3)}$ $=(7.57772225$ acres, Ans.

Prob. 24.—Let x=the seconds, the second body had fallen when it overtakes the other; then $(x+2)^2(16\ 1\text{-}12\text{th})=x^2(16\ 1\text{-}12)+100$, whence $x=\frac{107}{193}=.5544$ of a second, Ans.

Prob. 25.—Let x=the radius of the garden, and $p=3.1416$, then $(2x^2p^3\div6)+(x^2p^3\div2=43560$ square feet.

Hence $2x$=Diameter=82·11796 feet, Ans. and

xp=the rope=128·9908915 Ans.

Note.—This question involves the quadrature of the involute of a circle, which we cannot explain here. We have had but one solution of this, and but two of No. 19, and we believe but one to No. 26 of the Probs.

Prob. 26.—The sag$=p(1-\cos.\ a)=26.68$ feet, Ans.

In this formula, p=the tension or pressure at the lowest point of the rope, which takes the form of the *catenary curve*, and a= the angle of inclination, of lowest point, with the fixed point. To find a, we have, Hyperbol. log. $(0.43429)(80)\div100=0.347432=a\times\log.\left(\{1+\sqrt{(a^2+1)}\}\div a\right)$, in which we find by a few trials that $a=.67$, and this corresponds to the Nat. Cot of 50° 10′.

Again $p=100\div\left(2\sin a\right),=60.24$, and $1-\cos a=.443221$. Hence $p(1-\cos a)=$ 26.68 feet, Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
● New Moon	5	0 35 mo	1 8 mo
◐ First Quarter ...	11	11 35 ev	0 7 ev
○ Full Moon	20	3 56 mo	4 29 mo
◐ Last Quarter ...	27	6 9 ev	6 41 ev
☽ Perigee	4	7 21 mo	4 53 mo
☽ Apogee	16	11 27 ev	11 59 ev

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredric'n. Beg. A. M.	Fredric'n. End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	4 1	8 0	3 57	8 9	3 55	8 11	3 55	8 13	3 32	8 12
10	3 42	8 20	3 39	8 23	3 36	8 27	3 34	8 29	3 31	8 30
20	3 21	8 36	3 17	8 40	3 19	8 39	3 10	8 47	3 6	8 52
30	3 0	8 54	2 [illegible]	8 59	2 56	8 58	2 47	9 7	2 46	9 15

Ephemeris of the Planets, &c

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Morn.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	10 20	0 15	10 51	4 54	12 10	0 45	23 0	12 54	23 32	5 36	7 4[illegible]	2 44	4 11	22 26
7 ...	10 24	Even.	10 33	4 32	18 4	1 7	23 28	12 44	23 37	5 38	5 [illegible]	1 53	3 38	22 28
13 ...	10 27	11 5	10 14	4 11	23 57	1 29	23 55	12 35	23 42	5 40	2 11	1 14	3 6	22 30
19 ...	10 30	10 34	9 55	3 50	29 49	1 51	0 22	12 28	23 47	5 42	N 4[illegible]	0 41	2 35	22 32
25 ...	10 34	10 4	9 36	3 28	35 39	2 13	0 49	12 22	23 52	5 44	3 3[illegible]	0 18	2 10	22 34
30 ...	10 37	9 41	9 21	3 11	40 30	2 32	1 12	12 18	23 56	5 47	5 54	0 7	1 46	22 36

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian Evening.	Shadow at Noon Mark. Evening.	Mn's Age Noon.	Moon South, Morn.	Moon's Place at 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Tuesd.	92	5 41	6 27	4 18	5 44	6 24	4 25	0 24 37	12 3 47	25.9	8 59	♑ 27	4 48 45
2	Wed.	93	5 39	6 28	4 37	5 43	6 25	4 42	0 20 41	12 3 29	26.9	9 53	♒ 12	5 11 47
3	Thurs.	94	5 37	6 29	4 53	5 42	6 26	4 55	0 16 45	12 3 11	27.9	10 45	do. 27	5 34 45
4	Friday	95	5 36	6 30	Sets	5 39	6 27	Sets	0 12 50	12 2 53	28.9	11 37	♓ 12	5 57 36
5	Satur.	96	5 34	6 32	7 23	5 38	6 28	7 26	0 8 54	12 2 36	0.5	Ev. 29	do. 27	6 20 21
6	SUND.	97	5 32	6 33	8 43	5 35	6 29	8 49	0 4 58	12 2 18	1.5	1 22	♈ 12	6 43 0
7	Mond.	98	5 30	6 34	10 3	5 33	6 31	10 11	0 1 2	12 2 1	2.5	2 17	do. 26	7 5 32
8	Tuesd.	99	5 28	6 36	11 18	5 32	6 32	11 28	Morning.	12 1 44	3.5	3 14	♉ 10	7 27 56
9	Wed.	100	5 26	6 37	Morn	5 30	6 34	Morn	11 53 10	12 1 28	4.5	4 13	do. 24	7 50 14
10	Thur.	101	5 24	6 38	45	5 28	6 35	57	11 49 14	12 1 11	5.5	5 11	♊ 7	8 12 23
11	Friday	102	5 23	6 39	1 27	5 26	6 36	1 39	11 45 19	12 0 55	6.5	6 7	do. 20	8 34 23
12	Satur.	103	5 21	6 40	2 14	5 25	6 37	2 24	11 41 23	12 0 39	7.5	6 59	♋ 2	8 56 15
13	SUND.	104	5 19	6 42	2 51	5 23	6 38	3 0	11 37 27	12 0 24	8.5	7 47	do. 15	9 17 58
14	Mond.	105	5 18	6 43	3 22	5 21	6 39	3 29	11 33 31	12 0 9	9.5	8 31	do. 27	9 39 31
15	Tuesd.	106	5 16	6 44	3 44	5 19	6 41	3 50	11 29 36	Morning.	10.5	9 13	♌ 8	10 0 55
16	Wed.	107	5 14	6 45	4 5	5 18	6 42	4 8	11 25 40	11 59 39	11.5	9 52	do. 20	10 22 9
17	Thur.	108	5 12	6 47	4 22	5 15	6 44	4 24	11 21 44	11 59 25	12.5	10 31	♍ 2	10 43 12
18	Friday	109	5 11	6 48	4 39	5 13	6 45	4 39	11 17 48	11 59 11	13.5	11 10	do. 14	11 4 5
19	Satur.	110	5 9	6 49	Rises	5 11	6 47	Rises.	11 13 53	11 58 58	14.5	11 51	do. 26	11 24 47
20	SUND.	111	5 7	6 50	7 21	5 10	6 48	7 27	11 9 57	11 58 45	15.5	Morn	♎ 8	11 45 18
21	Mond.	112	5 6	6 51	8 28	5 8	6 50	8 36	11 6 2	11 58 32	16.5	0 34	do. 20	12 5 37
22	Tuesd.	113	5 4	6 53	9 36	5 6	6 51	9 46	10 2 6	11 58 20	17.5	1 20	♏ 3	12 25 45
23	Wed.	114	5 3	6 54	10 46	5 4	6 52	10 58	10 58 10	11 58 9	18.5	2 9	do. 15	12 45 40
24	Thurs.	115	5 1	6 55	11 49	5 3	6 53	Morn	10 54 15	11 57 57	19.5	3 3	do. 28	13 5 23
25	Friday	116	4 59	6 56	Morn	5 2	6 54	1	10 50 19	11 57 47	20.5	3 59	♐ 11	13 24 53
26	Satur.	117	4 58	6 57	45	5 0	6 56	47	10 46 24	11 57 37	21.5	4 57	do. 24	13 44 10
27	SUND.	118	4 56	6 59	1 29	4 58	6 58	1 39	10 42 28	11 57 27	22.5	5 54	♑ 8	14 3 13
28	Mond.	119	4 55	7 0	2 7	4 56	6 58	2 16	10 38 33	11 57 18	23.5	6 50	do. 22	14 22 3
29	Tuesd.	120	4 53	7 1	2 38	4 55	6 59	2 44	10 34 37	11 57 9	24.5	7 43	♒ 6	14 40 39
30	Wed.	121	4 52	7 2	3 2	4 54	7 0	3 5	10 30 41	11 57 1	25.5	8 34	do. 21	14 59 0

PROB. 28.—A ladder 100 feet long, of uniform thickness, weighs 100 lbs., and bears against a vertical building at an angle of 60° to the horizon. If a person weighing 150 lbs. ascends it 40 feet, what will be the pressure at the top, and thrust at the bottom of it?

PROB. 29.—Each side of a pentagon is 20. Required its circumscribed, and largest inscribed equilateral triangle.

PROB. 30.—The sides of a pentagon are 12 each. Required the greatest and least diameter, the distances of the centre from the vertices, and from the middle of each side, and the longest and shortest chord, also the area.

Day of Month.	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar distance of Pole Star. ° ′ ″	Mathematical Problems.
1	Thur.	*Ascension.*	Moon near Jupiter.	1 27 33	Prob. 31.—How many balls in a pile whose base is square, with 20 on each side?
2	Friday	(1) Duke of Wellington b. 1760.	Moon in Perigee.	1 27 34	
3	Satur.	Clocks introduced in 1368.	☿ near Mercury.	1 27 34	
4	SUND.	*1st Sunday after Ascension.*	Moon near ☿	1 27 34	
5	Mond.	Napoleon died, 1821.	Moon near Mercury.	1 27 34	Prob. 32.—If a square whose sides are 4 feet, revolve about one of its sides, what will be the surface and solidity of the body generated?
6	Tuesd.	Oswego taken, 1814.	♃ crosses the colure.	1 27 34	
7	Wed.	Jamaica taken by England, 1655.	Moon near Saturn.	1 27 34	
8	Thur.	Ice stationary at Quebec, 1836.	Moon highest.	1 27 35	
9	Friday	Columbus's fourth Voyage.	Mars South 9.1 even.	1 27 35	
10	Satur.	Battle of Lodi, 1796.	Venus South 10.43 mo.	1 27 35	
11	SUND.	*Whit Sunday.*	☿ ☌ sun.	1 27 36	Prob. 33.—If a semicircle, whose radius is 1, revolve about its base, what will be the surface and solidity of the body generated.
12	Mond.	Perceval assassinated, 1812.	Moon east of Regulus.	1 27 36	
13	Tuesd.	Old May Day.	Mars south, 8.45 eve.	1 27 36	
14	Wed.	Henry Grattan died, 1820.	Mars stat. ☽ apogee.	1 27 36	
15	Thur.	Cuvier died, 1832.	Moon near Mars.	1 27 36	
16	Friday	Talleyrand died, 1838.	Mars South 8.33 even.	1 27 37	
17	Satur.	Jenner born, 1749.	Venus in Pisces.	1 27 37	
18	SUND.	*Trinity Sunday.*	Mars in Virgo.	1 27 37	Prob. 34.—If a segment of a circle, whose base is 4, and height 1, revolve about its base, what will be the surface and solidity of the body generated?
19	Mond.	Sir Charles Bagot died, 1843.	Jupiter in Pisces.	1 27 37	
20	Tuesd.	Columbus died 1506.	Sun enters Taurus.	1 27 37	
21	Wed.	Riots at Montreal, 1832.	Saturn in Taurus.	1 27 37	
22	Thur.	Alexander Pope born, 1688.	Moon farthest South.	1 27 37	
23	Friday	Dr. Paley died, 1805.	♃ crosses equator.	1 27 38	
24	Satur.	Queen Victoria born, 1819.		1 27 38	
25	SUND.	*1st Sunday after Trinity.*		1 27 38	Prob. 35.—If a semicircle whose radius is 1, revolve around a line tangent to the middle of its arc, what will be the surface and solidity of the body generated?
26	Mond.	St. Augustin, Archb. Canterb. d.	☿ Gr. Elong. E. 22°57′	1 27 38	
27	Tuesd.	Fort George taken, 1814.	Venus near ☿ (♀ 47′S.)	1 27 38	
28	Wed.	William Pitt born, 1756.	Moon near Jupiter..	1 27 38	
29	Thur.	(30) Joan of Arc burnt, 1431.	Uranus in Taurus.	1 27 38	
30	Friday	Sir P. Maitland died, 1854.	Moon in Perigee.	1 27 39	
31	Satur.	Alexander Crudeu born, 1700.	Mars South 7.40 eve.	1 27 39	

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 27.—Area of a transverse section of the ring $=0{\cdot}12526953$ (nearly $=1\div80$): distance of the centre of gravity of that section from the base of it$=1000\div24352=0{\cdot}04106$; to this add the radius of the ring$=(7\div20)=.35$, and we have .39106. Twice this $=.78212$, and then multiply by $3.1416=2{\cdot}4671$, and this multiplied by the sectional area $0{\cdot}12526953=0{\cdot}03084$ solid inches, Ans.

Note.—This is worked by the Centrobaryc Method, and the external surface is supposed to be *convex* of course, as all *wedding rings* are, we suppose. Most of our correspondents have worked this supposing it to have *two* flat surfaces.

Prob. 28.—Let the mean radius of the Earth$=20887680$ feet$=a$, and 5 miles$=26{,}400$ ft$=b$. 16 1-12$=m$. Then $\sqrt{(2am)}=25920.783$,$=$the velocity the ball must have, if discharged at the surface of the earth, with which velocity its centrifugal force just balances the centripetal. But gravity acts with *less* power above the surface, hence $25920.783\sqrt{(a\div a+b)}=25904.1936$ feet, Ans.

Note.—The velocity a body would acquire in falling $(7912+10)$ miles is that which answers our purpose. But the action of gravity at the *commencement* of motion will be less than 16 1-12th per second. It will be$=16\ 1\text{-}12(3956\div3961)^2$ $=16{\cdot}0428$—feet.

Prob. 29.—Let $4=a$, $b=2$. Then $\sqrt{\left(a^{\frac{2}{3}}+b^{\frac{2}{3}}\right)^3}=8.35864$ feet Ans.

Prob. 30.—Let 100 rods$=a$ feet, and $1=b$, then $a^2\div b=2722500$ feet$=515\frac{5}{8}$ miles, Ans.

Note.—This question requires the rectification of the line called the involute of a circle.

Prob. 31.—Ans. 59.

Note.—This may be worked by Indeterminate Analysis, or by the least common multiple.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
New Moon...	4	9 25 mo	9 57 mo
First Quarter	11	3 28 ev	4 0 ev
Full Moon...	19	6 39 ev	7 11 ev
Last Quarter	27	0 16 mo	0 49 mo
Perigee	2	1 21 ev	1 53 ev
Apogee	14	2 27 ev	2 59 ev

Twilight or Daylight begins or ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredricton Beg. A. M.	Fredricton End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	2 57	8 54	2 52	9 1	2 46	9 5	2 44	9 9	2 39	9 14
10	2 40	9 12	2 40	9 12	2 27	9 25	2 24	9 21	2 17	9 35
20	2 22	9 30	2 14	9 38	2 6	9 46	2 1	9 51	1 54	9 59
30	1 8	9 48	1 58	9 56	1 49	10 6	1 41	10 13	1 33	10 22

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Even.	Jupit'r South Morn.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	10 37	9 36	9 18	3 7	41 29	2 36	1 16	12 17	23 51	5 47	6 22	0 5	1 31	22 36
7 ...	10 41	9 10	8 58	2 47	47 17	2 59	1 44	12 14	0 2	5 48	9 8	0 3	1 3	22 38
13 ...	10 45	8 45	8 39	2 26	53 4	3 23	2 11	12 13	0 6	5 53	11 46	0 11	0 36	22 39
19 ...	10 50	8 22	8 20	2 5	58 51	3 46	2 40	12 13	0 10	5 56	14 15	0 31	S 10	22 40
25 ...	10 55	8 0	8 0	1 45	64 37	4 11	3 9	12 16	0 14	5 59	16 31	0 59	N 13	22 41
31 ...	11 1	7 40	7 40	1 25	70 22	4 35	3 38	12 19	0 17	6 2	18 33	1 36	0 36	22 42

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark. Morning.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Thur.	122	4 50	7 4	3 25	4 53	7 1	3 26	10 26 46	11 56 54	26.5	9 24	♓ 6	15 17 7
2	Friday	123	4 49	7 5	3 48	4 51	7 3	3 47	10 22 51	11 56 47	27.5	10 14	do. 20	15 34 59
3	Satur.	124	4 47	7 6	4 12	4 49	7 5	4 9	10 18 55	11 56 41	28.5	11 6	♈ 5	15 52 35
4	SUND.	125	4 46	7 7	Sets.	4 48	7 6	Sets	10 15 0	11 56 35	0.1	12 0	do. 20	16 9 55
5	Mond.	126	4 45	7 8	8 53	4 47	7 7	9 3	10 11 4	11 56 36	1.1	Ev. 57	♉ 4	16 27 0
6	Tuesd.	127	4 43	7 9	10 7	4 45	7 9	10 18	10 7 9	11 56 25	2.1	1 56	do. 18	16 43 48
7	Wed.	128	4 42	7 11	11 12	4 43	7 9	11 24	10 3 13	11 56 21	3.1	2 56	♊ 2	17 0 20
8	Thur.	129	4 41	7 12	Morn	4 42	7 10	Morn	9 59 18	11 56 17	4.1	3 54	do. 15	17 16 34
9	Friday	130	4 39	7 13	6	4 40	7 12	17	9 55 22	11 56 14	5.1	4 50	do. 28	17 32 31
10	Satur.	131	4 38	7 14	48	4 39	7 13	58	9 51 27	11 56 12	6.1	5 40	♋ 11	17 48 10
11	SUND.	132	4 37	7 16	1 22	4 37	7 15	1 31	9 47 32	11 56 10	7.1	6 27	do. 23	18 3 32
12	Mond.	133	4 36	7 17	1 47	4 36	7 16	1 54	9 43 37	11 56 9	8.1	7 10	♌ 5	18 18 35
13	Tuesd.	134	4 35	7 18	2 9	4 34	7 18	2 13	9 39 41	11 56 8	9.1	7 50	do. 17	18 33 19
14	Wed.	135	4 34	7 19	2 28	4 33	7 19	2 30	9 35 46	11 56 8	10.1	8 29	do. 29	18 47 45
15	Thur.	136	4 32	7 20	2 44	4 32	7 20	2 44	9 31 50	11 56 8	11.1	9 8	♍ 10	19 1 52
16	Friday	137	4 31	7 21	3 2	4 31	7 21	3 0	9 27 50	11 56 9	12.1	9 48	do. 22	19 15 40
17	Satur.	138	4 30	7 22	3 20	4 30	7 22	3 17	9 24 0	11 56 10	13.1	10 30	♎ 4	19 29 7
18	SUND.	139	4 29	7 23	3 41	4 29	7 23	3 36	9 20 5	11 56 12	14.1	11 15	do. 17	19 42 16
19	Mond.	140	4 28	7 24	Rises	4 28	7 24	Rises	9 16 9	11 56 15	15.1	Morn	do. 29	19 55 4
20	Tuesd.	141	4 27	7 25	8 35	4 27	7 25	8 45	9 12 14	11 56 18	16.1	0 4	♏ 12	20 7 32
21	Wed.	142	4 26	7 26	9 43	4 26	7 26	9 55	9 8 19	11 56 22	17.1	0 57	do. 25	20 19 39
22	Thur.	143	4 25	7 27	10 41	4 25	7 27	10 53	9 4 24	11 56 26	18.1	1 54	♐ 8	20 31 25
23	Friday	144	4 25	7 28	11 31	4 24	7 28	11 41	9 0 28	11 56 30	19.1	2 52	do. 21	20 42 51
24	Satur.	145	4 24	7 29	Morn	4 24	7 30	Morn	8 56 33	11 56 36	20.1	3 50	♑ 5	20 53 55
25	SUND.	146	4 23	7 30	9	4 23	7 31	17	8 52 38	11 56 42	21.1	4 46	do. 19	21 4 38
26	Mond.	147	4 22	7 31	41	4 22	7 32	47	8 48 43	11 56 48	22.1	5 39	♒ 3	21 14 59
27	Tuesd.	148	4 21	7 32	1 6	4 21	7 33	1 10	8 44 17	11 56 55	23.1	6 29	do. 17	21 24 59
28	Wed.	149	4 21	7 33	1 30	4 20	7 34	1 32	8 40 52	11 57 2	24.1	7 18	♓ 1	21 34 36
29	Thur.	150	4 20	7 34	1 51	4 19	7 35	1 51	8 36 57	11 57 10	25.1	8 6	do. 16	21 43 51
30	Friday	151	4 20	7 35	2 14	4 19	7 35	2 12	8 33 2	11 57 18	26.1	8 56	do. 30	21 52 43
31	Satur.	152	4 19	7 36	2 39	4 18	7 36	2 34	8 29 7	11 57 26	27.1	9 47	♈ 14	22 1 12

PROB. 36.—The three lines drawn from the vertices of a triangle, perpendicular to the sides opposite, are 19, 13, and 10. Required the sides of the triangle.

PROB. 37.—The angles of a triangle are 82°, 56°, and 42°. From a point within to these angles it is 54, 100, and 60 rods. Required the sides.

PROB. 38.—The sides of a triangular field are 60, 55, and 44 rods. Required the place of a well, within, that is equally distant from the corners.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star. ° ′ ″
1	SUND.	*2nd Sunday after Trinity.*	Moon near Venus.	1 27 39
2	Mond.	The Gordon Riots com. 1780.	Venus in Aries.	1 27 39
3	Tuesd.	William Harvey died, 1657.		1 27 39
4	Wed.	Kingdom of Netherlands div. 1831	Moon farthest North.	1 27 39
5	Thur.	(6) Alexander the Great b. B.C. 356	Mercury in Desc. node.	1 27 39
6	Friday	Jeremy Bentham died, 1832.		1 27 39
7	Satur.	Weber died, 1826.	Mars in Virgo.	1 27 39
8	SUND.	*3rd Sunday after Trinity.*	Mercury stationary.	1 27 39
9	Mond.	(8) Mrs. Siddons died, 1831.	Saturn farthest North.	1 27 39
10	Tuesd.	Gavazzi Riots in Montreal, 1853.	Moon in apogee.	1 27 40
11	Wed.	Ben Jonson born, 1575.	Neptune 90° W. Sun.	1 27 40
12	Thur.	Magna Charta signed, 1215.		1 27 40
13	Friday	Battle of Marengo, 1800.	Jupiter in Pisces.	1 27 40
14	Satur.	Battle of Naseby, 1645.		1 27 40
15	SUND.	*4th Sunday after Trinity.*	Mars. in Desc. node.	1 27 40
16	Mond.	(15) Luther excom. 1520.	Saturn near Mercury.	1 27 40
17	Tuesd.	John Wesley born, 1703.		1 27 40
18	Wed.	Battle of Waterloo, 1815.	Moon lowest.	1 27 40
19	Thur.	Sir Joseph Banks died, 1820.		1 27 40
20	Friday	Queen Victoria's Accession, 1837.	21st ☿ Inf. ☌ Sun.	1 27 40
21	Satur.	Proclamation of Q. Victoria, 1837.	Sun enters Gemini.	1 27 40
22	SUND.	*5th Sunday after Trinity.*	Saturn in Gemini.	1 27 40
23	Mond.	Leibnitz born, 1646.	Neptune stationary.	1 27 40
24	Tuesd.	John Hampden died, 1643.	Saturn ☌ Sun.	1 27 40
25	Wed.	Battle of Bannockburn, 1314.	Moon in Perigee.	1 27 40
26	Thur.	George IV. died, 1830.	25th. ♀ near Mercury.	1 27 40
27	Friday	Allan Cunningham died, 1840.		1 27 40
28	Satur.	Coronation of the Queen, 1838.	Uranus in Taurus.	1 27 40
29	SUND.	*6th Sunday after Trinity.*	Jupiter 90° W. Sun.	1 27 40
30	Mond.	Earl of Argyle beheaded, 1685.	Moon highest.	1 27 40

Mathematical Problems.

Prob. 39.—Given to find x and y; $x+y=5$, and $x^4+y^4=1241$.

Prob. 40.—How many balls in a rectangular pile of 50 courses, there being 20 balls in the top row?

Prob. 41.—If a segment of a circle, whose base is 4, and height 1, revolve about a perpendicular bisecting the base what will be the surface and solidity of the body produced?

Prob. 42.—If the segment in Problem 41, revolve around a line perpendicular to the end of the base, what will be the surface and solidity of the body generated?

Prob. 43.—If a figure of 6 equal sides, each of which is 2 feet, revolve about one of its sides, what will be the surface and solidity of the body generated?

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 32.—Let $15=2a$, and $66825=b$, then the numbers will be

$$=a\pm\sqrt{\left\{\sqrt{\left(\frac{b}{10a}+\frac{4a^4}{5}\right)}-a^2\right\}}=\tfrac{1}{2}(15)\pm\tfrac{1}{2}(3)=9 \text{ or } 6 \text{ Ans.}$$

Prob. 33.—Let x=the required velocity. Then $(2)^4(16\,1\text{-}12)+2x=400$. Hence $x=167\ 5\text{-}6$ths, Ans.

Prob. 34.—5 weights, if used on both scales, viz. 1, 3, 9, 27, 81 lbs. But if used in one only 7 weights, viz. 1, 2, 4, 8, 16, 32, 37 lbs. Ans.

Note.—The most general mode of solving questions of this nature, is by the ternary scale of notation.—See "Barlow's Theory of Numbers," Chap. 10.

Prob. 35.—Let x^2+y^2 be the numbers=a cube. Now let $x=rz$, and $y=sz$, then $r^2z^2+s^2z^2=x^2+y^2$=a cube. Put $(z^3\div v^3)=r^2z^2+s^2z^2$, then $z=v^3(r^2+s^2)$, $x=rv^3\ (r2+s^2)$, and $y=sv^3\ (r2+s^2)$, in which r, s, and v, are any numbers we choose to make them. If $r=2$, $s=1$, and $v=1$, then $x=10$, $y=5$, and hence $x^2=100$, $y^2=25$, Ans.

Prob. 19, of 1854. By Dennis Smith, Quebec. Given $x^6y^3-x^{12}=9728$ and $x^2y^5+x^8y^2=40320$ to find x and y. Put $y=x^2r$. Then $x^{12}r^3-x^{12}=9728$, and $x^{12}r^5+x^{12}r^2=40320$. Hence $x^{12}=9728\div(r^3-1)=40320\div(r^5+r^2)$. Therefore $9728r^2(r^3+1)-40320+(r^3-1)=0$. Hence $r=1.5$.

Then $x^{12}=9728\div(2.375)=4096$. Hence $x=2$, and $x^2r=y=6$. Ans.

Note.—This solution is the only one received, yet it is not complete, for the determination of r is not plain. Will others furnish short solutions?

Geom. Prob. 1.—Let $8=a$, $2=b$, and $3.1416=p$. Then the surface$=bp^2(a+b)=197.392$ inches Ans.

Solidity$=\frac{1}{4}\,b^2p^2(a+b)=98{\cdot}696$ cubic inches, Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
New Moon.	2	6 23 ev	6 54 ev
First Quar.	10	8 33 mo	9 5 mo
Full Moon.	18	6 34 mo	7 7 mo
Last Quar.	25	5 0 mo	5 32 mo
Apogee ...	11	8 9 mo	8 41 mo
Perigee ...	25	3 51 mo	4 43 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredricton Beg. A. M.	Fredricton End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	2 5	9 50	1 55	10 0	1 45	10 9	1 39	10 16	1 29	10 26
10	1 57	10 1	1 46	10 12	1 36	10 17	1 28	10 30	1 19	10 39
20	1 55	10 7	1 43	10 19	1 32	10 31	1 24	10 38	1 16	10 46
30	2 0	10 6	1 50	10 17	1 38	10 29	1 31	10 36	1 24	10 43

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Even.	Jupit'r South Morn.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South	Jupit'r Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	11 2	7 37	7 37	1 21	71 19	4 39	3 43	12 20	0 18	6 3	18 52	1 43	0 39	22 42
7 ...	11 9	7 19	7 17	1 1	75 9	5 4	4 14	12 25	0 21	6 6	20 33	2 28	0 59	22 42
13 ...	11 16	7 1	6 56	0 41	82 48	5 29	4 45	12 31	0 24	6 9	21 54	3 19	1 18	22 42
19 ...	11 24	6 45	6 35	0 20	88 31	5 54	5 16	12 38	0 27	6 13	22 54	4 16	1 34	22 42
25 ...	11 32	6 30	6 14	morn	94 14	6 18	5 48	12 47	0 30	6 16	23 29	5 18	1 47	22 41
30 ...	11 39	6 17	5 56	11 43	99 6	6 39	6 15	12 54	0 31	6 19	23 40	6 13	1 57	22 40

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Rises.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Rises.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark. Morning.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	SUND.	153	4 18	7 37	3 7	4 18	7 36	2 59	8 25 11	11 57 35	28.1	10 41	♈ 29	22 9 19
2	Mond.	154	4 18	7 37	Sets	4 18	7 38	Sets	8 21 16	11 57 45	29.1	11 39	♉ 13	22 17 2
3	Tuesd.	155	4 17	7 38	8 54	4 17	7 39	9 6	8 17 21	11 57 55	0.7	Ev. 39	do. 27	22 24 22
4	Wed.	156	4 17	7 39	9 54	4 17	7 39	10 6	8 13 26	11 58 5	1.7	1 39	♊ 10	22 31 19
5	Thur.	157	4 17	7 40	10 44	4 16	7 40	10 54	8 9 31	11 58 15	2.7	2 37	do. 23	22 37 52
6	Friday	158	4 16	7 41	11 20	4 16	7 40	11 28	8 5 36	11 58 26	3.7	3 31	♋ 6	22 44 1
7	Satur.	159	4 16	7 41	11 49	4 15	7 41	11 57	8 1 41	11 58 37	4.7	4 20	do. 19	22 49 41
8	SUND.	160	4 16	7 42	Morn	4 15	7 41	Morn	7 57 45	11 58 49	5.7	5 5	♌ 1	22 55 7
9	Mond.	161	4 16	7 42	13	4 15	7 42	18	7 53 50	11 59 0	6.7	5 46	do. 13	23 0 4
10	Tuesd.	162	4 15	7 43	32	4 15	7 43	34	7 49 55	11 59 12	7.7	6 26	do. 25	23 4 36
11	Wed.	163	4 15	7 43	51	4 15	7 43	51	7 46 0	11 59 24	8.7	7 5	♍ 7	23 8 44
12	Thur.	164	4 15	7 44	1 8	4 15	7 43	1 7	7 42 5	11 59 36	9.7	7 44	do. 18	23 12 28
13	Friday	165	4 15	7 44	1 25	4 15	7 43	1 23	7 38 10	11 59 49	10.7	8 25	do. 30	23 15 47
14	Satur.	166	4 15	7 45	1 44	4 15	7 44	1 40	7 34 15	After 12	11.7	9 9	♎ 13	23 18 42
15	SUND.	167	4 15	7 46	2 6	4 15	7 45	1 58	7 30 20	12 0	14 12.7	9 56	do. 25	23 21 12
16	Mond.	168	4 15	7 46	2 33	4 15	7 45	2 25	7 26 25	13 0	27 13.7	10 48	♏ 8	23 23 17
17	Tuesd.	169	4 15	7 46	Rises	4 15	7 46	Rises	7 22 30	12 0	39 14.7	11 44	do. 21	23 24 58
18	Wed.	170	4 15	7 47	8 33	4 15	7 47	8 45	7 18 34	12 0	52 15.7	Morn	♐ 4	23 26 13
19	Thur.	171	4 15	7 47	9 26	4 15	7 47	9 38	7 14 39	12 1	5 16.7	0 43	do. 17	23 27 4
20	Friday	172	4 15	7 47	10 8	4 14	7 48	10 18	7 10 44	12 1	18 17.7	1 43	♑ 2	23 27 31
21	Satur.	173	4 15	7 48	10 44	4 14	7 48	10 51	7 6 49	12 1	31 18.7	2 40	do. 16	23 27 32
22	SUND.	174	4 16	7 48	11 10	4 15	7 49	11 15	7 2 54	12 1	44 19.7	3 35	do. 30	23 27 9
23	Mond.	175	4 16	7 48	11 24	4 15	7 49	11 26	6 58 59	12 1	57 20.7	4 27	♒ 14	23 26 21
24	Tuesd.	176	4 16	7 48	11 56	4 16	7 49	11 57	6 55 4	12 2	9 21.7	5 16	do. 28	23 25 8
25	Wed.	177	4 16	7 48	Morn	4 16	7 48	Morn	6 51 9	12 2	22 22.7	6 4	♓ 12	23 23 31
26	Thur.	178	4 17	7 48	18	4 16	7 48	16	6 47 14	12 2	35 23.7	6 52	do. 26	23 21 29
27	Friday	179	4 17	7 48	41	4 17	7 48	37	6 43 19	12 2	47 24.7	7 41	♈ 10	23 19 2
28	Satur.	180	4 18	7 48	1 7	4 18	7 48	1 1	6 39 24	12 2	59 25.7	8 33	do. 24	23 16 11
29	SUND.	181	4 18	7 48	1 41	4 18	7 48	1 32	6 35 29	12 3	11 26.7	9 28	♉ 8	23 12 55
30	Mond.	182	4 19	7 48	2 20	4 18	7 48	2 10	6 31 34	12 3	23 27.7	10 26	do. 22	23 9 15

PROB. 44.—Suppose a man starts from London at 12 o'clock Monday noon, and travels westward with a speed that will carry him around the earth in twenty-four hours, where or in what longitude will the inhabitants first tell him that it is Tuesday noon?

PROB. 45.—If the diameter of the earth were 8,000 miles, and it were divested of all segments so as to render it a solid of 20 equal sides, it would have 12 similar and equal pyramidal mountains. What would be their height?

PROB. 46.—Required the smallest four figures which being divided by 2, 3, 4, 5, 6, 7, 8, and 9, will leave 1 each time.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Tuesd.	Battle of the Nile, 1798.	☽ ☌ ♀, ♄, ☿. ♀ ☌ ☿.	1 27 40	Prob. 47.—If the figure of Problem 55, revolve about a perpendicular to its longest diagonal, what area and solidity will be produced?
2	Wed.	Pilgrim Fathers sailed, 1620.	Earth farthest Sun.	1 27 39	
3	Thur.	Rosseau died, 1778.	1st. Venus farthest N.	1 27 39	
4	Friday	American Independence, 1776.		1 27 39	
5	Satur.	Sovereigns first issued, 1817.	Venus in Gemini.	1 27 39	
6	SUND.	*7th Sunday after Trinity.*		1 27 39	
7	Mond.	Col. Simcoe Lt. Gov. 1792.	Uranus in Taurus.	1 27 39	Prob. 48.—The sides of an equilateral are each 2 feet. If it revolve about one side, what surface and solidity will it generate?
8	Tuesd.	(7) Sheridan died, 1816.		1 27 39	
9	Wed.	"Queen of the West," burnt, 1853	Moon in Apogee.	1 27 39	
10	Thur	Daguerre died 1851.	Moon near Mars.	1 27 39	
11	Frid	(10) Old Lond. Bridge burnt 1212	Mars 90° E. of Sun.	1 27 39	
12	Sat ...	Battle of the Boyne, 1690.	☿ Gr. Elong. W. (20°27′)	1 27 39	
13	SUND.	*8th Sunday after Trinity.*	Mars in Virgo	1 27 38	Prob. 49.—If the triangle in Problem 48 revolve about a line perpendicular to the end of one side, what will be the surface and solidity of the body produced.
14	Mond.	The Bastile destroyed, 1789.		1 27 38	
15	Tuesd.	*St. Swithun.*	Moon farthest South.	1 27 38	
16	Wed.	Detroit taken, 1812.		1 27 38	
17	Thur.	Dr. Watts born, 1674.		1 27 38	
18	Friday	Petrarch died, 1374.	Mercury near Saturn.	1 27 38	
19	Satur.	Kirk takes Quebec, 1629.	Venus Conj. Sun.	1 27 38	
20	SUND.	*9th Sunday after Trinity.*	☽ near Neptune.	1 27 37	
21	Mond.	Union of Engl. & Scotland, 1706.	22nd. ♃ near Moon.	1 27 37	Prob. 50.—If an ellipse whose transverse and conjugate diameters are 6 and 4 feet, revolve about its transverse axis, what will be the surface and solidity of the spheroid thus produced?
22	Tuesd.	Bank of B. N. A. estab. 1839.	Sun enters Cancer.	1 27 37	
23	Wed.	Canada Union assented to, 1840.	Jupiter in Pisces.	1 27 37	
24	Thur.	Irish Rebellion, 1803.		1 27 37	
25	Friday	Battle of Lundy's Lane, 1813.	Venus in Ascen. node.	1 27 37	
26	Satur.	Coleridge died, 1834.	Saturn in Gemini.	1 27 36	
27	SUND.	*10th Sunday after Trinity.*	Venus in perihelion.	1 27 36	
28	Mond.	Robespierre guillotined, 1794.	Moon highest.	1 27 36	
29	Tuesd.	(28) Lord Durham died, 1840.	♃ Stationary. ☽ ☌ ♄	1 27 36	Prob. 51.—Given to find x; $x^3-8x^2+19x=12$.
30	Wed.	First English Newspaper, 1588.	☽ near Mercury.	1 27 36	
31	Thur.	Charles X. dethroned, 1830.	Moon near Venus.	1 27 35	

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 1.—Let $39=a$, and $21=b$, and x=a side of the required square; then $x=ab\div(a+b)=$ 13 13-20ths. Ans.

Ex. 2.—Let $40=a$, and $3=b$, then the sides about the right angles$=\frac{1}{2}(\frac{1}{2}a+b)\pm\sqrt{\left\{\frac{1}{4}(\frac{1}{2}a-b)^2-\frac{1}{2}b\right\}}=15$, or 8, and hence the hypothenuse$=17$. Ans.

Ex. 3.—Let $4=a$, $8=b$, $12=c$, then the required chord $=\left(\sqrt{(4c^2-a^2)b}+a\sqrt{(4c^2-b^2)}\right)\div\frac{1}{2c}=11.676$. Ans.

Ex. 4.—Let $29=a$, $35=b$, $48=c$, then the radius required$=abc\div\sqrt{\left\{4a^2c^2-(a^2+c^2-b^2)\right\}}=24\frac{1}{6}$. Ans.

Ex. 5.—Superficial area $=\frac{1}{4}\sqrt{\left\{(a+b+c)(a+c-b)(a+b-c)(b+c-a)\right.}$, or if $2p=a+b+c$, then area$=\sqrt{\left\{p(p-a)(p-b)(p-c)\right.}$. Ans.

Ex. 6.—Let $13=a$, $20=b$, $21=c$, then the perpendicular required$=\sqrt{\left\{(a+b+c)(a+b-c)(a-b+c)(-a+b+c)\right\}}\div 2c=12$. Ans.

Ex. 7.—Let $25=a$, $51=b$, $52=c$, then the diameter required$=\sqrt{\left\{(-a+b+c)(a-b+c)(a+b-c)\right\}}\div\sqrt{(a+b+c)}=19\frac{1}{2}$ Ans.

Ex. 8.—Let $3=a$, $5=b$, and $6=c$, then diagonal required $=\sqrt{\left\{2a^2+2b^2-c^2\right\}}=4\sqrt{2}=5{\cdot}6568$ Ans.

Note.—This question was impossible as it reads. If one diagonal be 6, then the other is as above.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
● New Moon.	2	4 13 mo	4 45 mo
◑ First Quar.	10	2 5 mo	2 37 mo
○ Full Moon.	17	4 14 ev	4 46 ev
◐ Last Quar.	24	9 45 mo	10 17 mo
● New Moon.	31	3 51 ev	4 23 ev
☾ Apogee ...	9	1 39 mo	2 11 mo
☾ Perigee ...	21	3 21 mo	3 53 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredricton Beg. A. M.	Fredricton End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	2 1	10 6	1 50	10 17	1 39	10 26	1 32	10 35	1 20	10 47
10	2 14	9 56	2 2	10 8	1 52	10 18	1 46	10 24	1 36	10 34
20	2 28	9 44	2 20	9 54	2 12	10 1	2 6	10 6	1 58	10 14
30	2 46	9 26	2 41	9 31	2 33	9 39	2 28	9 41	2 22	9 50

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South. Even.	Jupit'r South. Morn.	Saturn South. Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupit'r Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	11 41	6 15	5 53	11 40	99 58	6 43	6 20	12 56	0 32	6 20	23 40	6 21	1 59	22 40
7 ...	11 49	6 1	5 31	11 20	105 41	7 8	6 53	13 6	0 33	6 23	23 26	7 32	2 8	22 39
13 ...	11 58	5 48	5 9	11 59	111 24	7 33	7 25	13 16	0 35	6 27	22 46	8 44	2 14	22 37
19 ...	Ev. 6	5 36	4 46	10 39	117 7	7 57	7 56	13 27	0 36	6 30	21 43	9 58	2 18	22 35
25 ...	0 13	5 24	4 19	10 19	122 51	8 21	8 27	13 39	0 36	6 33	20 16	11 13	2 19	22 33
31 ...	0 20	5 13	3 59	9 58	128 36	8 44	8 58	13 52	0 36	6 36	18 29	12 29	2 18	22 31

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark, Evening.	Mn's Age Noon.	Moon South. Morn.	Moon's Place, 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Tuesd.	183	4 19	7 48	Sets	4 19	7 47	Sets	6 27 39	12 3 35	28.7	11 26	♋ 5	23 5 10
2	Wed.	184	4 20	7 48	8 33	4 20	7 47	8 45	6 23 41	12 3 46	0.3	Ev. 24	do. 19	23 0 41
3	Thur.	185	4 20	7 47	9 16	4 21	7 47	9 26	6 19 50	12 3 58	1.3	1 20	♌ 2	22 55 48
4	Friday	186	4 21	7 47	9 48	4 21	7 47	9 55	6 15 54	12 4 8	2.3	2 11	do. 14	22 50 31
5	Satur.	187	4 22	7 47	10 15	4 22	7 46	10 20	6 11 58	12 4 19	3.3	2 58	do. 27	22 44 50
6	SUND.	188	4 22	7 46	10 35	4 23	7 46	10 38	6 8 3	12 4 29	4.3	3 41	♎ 9	22 38 45
7	Mond.	189	4 23	7 46	10 54	4 24	7 46	10 56	6 4 8	12 4 39	5.3	4 22	do. 21	22 32 17
8	Tuesd.	190	4 24	7 46	11 12	4 25	7 46	11 12	6 0 13	12 4 48	6.3	5 1	♏ 3	22 25 26
9	Wed.	191	4 25	7 45	11 29	4 25	7 45	11 27	5 56 18	12 4 57	7.3	5 40	do. 15	22 18 11
10	Thur.	192	4 25	7 45	11 47	4 25	7 45	11 44	5 52 23	12 5 5	8.3	6 20	do. 26	22 10 33
11	Friday	193	4 26	7 44	Morn	4 26	7 44	Morn	5 48 28	12 5 13	9.3	7 2	♐ 8	22 2 32
12	Satur.	194	4 27	7 44	8	4 26	7 44	1	5 44 33	12 5 21	10.3	7 47	do. 21	21 54 9
13	SUND.	195	4 28	7 43	33	4 27	7 43	24	5 40 38	12 5 28	11.3	8 37	♑ 3	21 45 23
14	Mond.	196	4 29	7 42	1 5	4 28	7 42	55	5 36 43	12 5 35	12.3	9 31	do. 16	21 36 15
15	Tuesd.	197	4 30	7 41	1 45	4 29	7 42	1 34	5 32 48	12 5 41	13.3	10 29	do. 29	21 26 45
16	Wed.	198	4 30	7 41	2 40	4 30	7 42	2 28	5 28 53	12 5 46	14.3	11 29	♒ 13	21 16 53
17	Thur.	199	4 31	7 40	Rises	4 31	7 41	Rises	5 24 58	12 5 51	15.3	Morn	do. 27	21 6 39
18	Friday	200	4 32	7 39	8 42	4 32	7 40	8 51	5 21 3	12 5 56	16.3	0 29	♓ 11	20 56 4
19	Satur.	201	4 33	7 39	9 12	4 33	7 39	9 17	5 17 8	12 6 0	17.3	1 27	do. 26	20 45 8
20	SUND.	202	4 34	7 38	9 37	4 34	7 38	9 40	5 13 13	12 6 3	18.3	2 21	♈ 10	20 33 51
21	Mond.	203	4 35	7 37	10 0	4 35	7 37	10 0	5 9 18	12 6 6	19.3	3 12	do. 24	20 22 13
22	Tuesd.	204	4 36	7 36	10 22	4 36	7 36	10 21	5 5 22	12 6 8	20.3	4 1	♉ 9	20 10 15
23	Wed.	205	4 37	7 35	10 44	4 37	7 35	10 41	5 1 27	12 6 10	21.3	4 49	do. 23	19 57 56
24	Thur.	206	4 38	7 34	11 10	4 38	7 34	11 5	4 57 32	12 6 11	22.3	5 38	♊ 7	19 45 17
25	Friday	207	4 39	7 33	11 41	4 39	7 33	11 33	4 53 37	12 6 12	23.3	6 29	do. 21	19 32 19
26	Satur.	208	4 40	7 32	Morn	4 40	7 32	Morn	4 49 42	12 6 12	24.3	7 23	♋ 5	19 19 1
27	SUND.	209	4 41	7 31	17	4 41	7 31	8	4 45 47	12 6 11	25.3	8 19	do. 18	19 5 23
28	Mond.	210	4 43	7 30	1 4	4 42	7 30	52	4 41 52	12 6 10	26.3	9 17	♊ 1	18 51 27
29	Tuesd.	211	4 44	7 28	2 0	4 43	7 29	1 47	4 37 57	12 6 9	27.3	10 15	do. 15	18 37 12
30	Wed.	212	4 45	7 27	3 2	4 44	7 28	2 50	4 34 2	12 6 6	28.3	11 11	do. 28	18 22 38
31	Thur.	213	4 46	7 26	Sets.	4 46	7 26	Sets.	4 30 7	12 6 4	29.3	Eve. 3	♋ 10	18 7 47

PROB. 52.—Required the smallest four figures which being divided by 2, 3, 4, 5, 6, 7, 8, 9, will leave 1, 2, 3, 4, 5, 6, 7, 8.

PROB. 53.—The base of a triangular pyramid is 4, 5, and 6 feet, and altitude 12. Required the largest cube, and largest globe, that can be cut out of it, the cube being cut from the lower part, and the globe adjoining above.

PROB. 54.—The three lines drawn from the vertices of an equilateral triangle to a point within, are 10, 12, and 16. What are the sides of the triangle?

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Friday	*Lammas.*	Venus in Cancer.	1 27 35	Prob. 55.—If the ellipse of Problem 50 revolve about its conjugate axis, what will be the surface and solidity of the spheroid thus produced?
2	Satur.	(1) Negro Emancipation.		1 27 35	
3	SUND.	*11th Sunday after Trinity.*	Mars in Libra.	1 27 35	
4	Mond.	Shelly born, 1792.		1 27 34	
5	Tuesd.	Battle of Brownston, 1812.	Moon in Apogee.	1 27 34	
6	Wed.	*Transfiguration.*		1 27 34	
7	Thur.	Queen Caroline died, 1821.	Moon near Mars.	1 27 34	
8	Friday	Marshal Ney shot 1815.		1 27 34	
9	Satur.	Louis Philippe decl. King, 1830.	Mercury up. ☌ Sun.	1 27 33	Prob. 56.—If the ellipse of Problem 57 revolve about a line perpendicular to the end of the transverse axis, what will be the surface and solidity of the body thus generated?
10	SUND.	*12th Sunday after Trinity.*		1 27 33	
11	Mond.	Charleston Convent destr. 1831.	Jupiter in Pisces.	1 27 33	
12	Tuesd	George IV. born, 1762.	Moon farthest South.	1 27 32	
13	Wed.	Queen Adelaide born, 1792.	Venus near Regulus.	1 27 32	
14	Thur.	Printing Invented, 1437.		1 27 32	
15	Friday	Sir Walter Scott born, 1771.		1 27 32	
16	Satur.	Ben Johnson died, 1637.	Venus near Mercury.	1 27 31	
17	SUND.	*13th Sunday after Trinity.*	♅ 90° West of Sun.	1 27 31	
18	Mond.	Beattie died, 1803.	17th. Moon in Perigee.	1 27 31	Prob. 57.—If the ellipse of Problem 50 revolve about a line perpendicular to the end of its conjugate axis, what will be the surface and solidity thus generated?
19	Tues.	Count Rumford died, 1814.	Moon near Jupiter.	1 27 31	
20	Wed.	Robert Bloomfield died, 1823.		1 27 30	
21	Thur.	(20) Treaty of Washington, 1842.	Saturn in Gemini.	1 27 30	
22	Friday	Warren Hastings died, 1818.	Sun enters Leo.	1 27 30	
23	Satur.	American War com. 1775.		1 27 29	
24	SUND.	*14th Sunday after Trinity.*	Venus in Leo.	1 27 29	
25	Mond.	David Hume died, 1776.	Moon Highest. ☽ ☌ Saturn.	1 27 29	
26	Tues.	Prince Albert born, 1819.		1 27 28	Prob. 58.—Required the solidity of an *upper* conjugate segment of the spheroid of Problem 50, its height being 1 foot.
27	Wed.	(28) Br. Slavery Abol. Bill, 1833.		1 27 28	
28	Thur.	Goethe died, 1749.	Uranus in Taurus.	1 27 28	
29	Friday	*John Baptist*, beheaded.		1 27 27	
30	Satur.	Dutch Fleet taken 1799.	Uranus stationary.	1 27 27	
31	SUND.	*15th Sunday after Trinity.*	Moon near Venus & ☿	1 27 27	

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 9.—Let $a=60$, $b=91$, and $c=161$=the two sides, the *three* being=252.

Then $\sqrt{\left\{a^2+\frac{1}{2}\left(b\pm c\sqrt{(c^2-4a^2-b^2)}\div(c^2-b^2)\right)\right\}}=100$, or 61. Ans.

Ex. 10.—Let a, b, c, be the numbers 17, 25, 28, then the distance of the point from the corners $=abc\div\sqrt{\left\{(a+b+c)(b-a+c)(a-b+c)(a+b-c)\right\}}=14\frac{1}{6}$.

Ex. 11.—Let $a=13$, $b=20$, $c=21$, $r=4$ 2-3rds, then the radius of circumscribed circle$=abc\div 2r(a+b+c)=10$ 5-6ths. Ans.

Ex. 12.—Let $100=a$, $302=2b$, then the sides required$=\frac{1}{2}\left\{b\pm\sqrt{(2a^2-b^2)}\right\}=91$ or 60. Ans.

Ex. 13.—Let $100=r$, then the sides of the octagon required$=r\sqrt{(2-\sqrt{2})}=76.536$. Ans.

Ex. 14.—Let $100=a$. The side of the pentagon required$=\frac{1}{2}a\sqrt{(10-2\sqrt{5})}=117.558$. Ans.

Ex. 15.—Let $100=a$, then the side of decagon required$=\frac{1}{2}a\left(\sqrt{(5)}-1\right)=61.8034$. Ans.

Ex. 16.—Let $100=a$. Side of triangle$=a\sqrt{3}=173.205$. Ans.

Ex. 17.—Let $60=a$, $b=15$, $c=34$ 17-30ths; then the base$=2b\sqrt{(2ac-4bc-b^2)}\div(a-2b)=43$. The sum of the other sides$=2(a-b)\sqrt{(2ac-4bc-b^2)}\div(a-2b)=129$. Their product$=2ac$, from which it is found that the sides required=68, and 61. Ans.

Ex. 18.—Let $4\sqrt{3}=a$, then the diameter of the required circle$=2\sqrt{(a\sqrt{3})}=6.928$. Ans.

Note.—In this case the vertex of the triangle is supposed to lay in the middle point of the arc. If the entire base of the semi-circle be the base of the triangle, then it $=2\sqrt{\left(\frac{a}{3}\sqrt{3}\right)}=4$. Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
First Quarter ...	8	7 5 ev	7 37 ev
Full Moon	16	0 38 mo	1 10 mo
Last Quarter ...	22	3 50 ev	4 23 ev
New Moon	30	5 57 mo	6 29 mo
Apogee	5	7 21 ev	7 53 ev
Perigee	17	9 0 ev	9 32 ev

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredricton Beg. A. M.	Fredricton End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	2 49	9 23	2 43	9 29	2 36	9 36	2 32	9 39	2 29	9 43
10	3 6	9 4	3 0	9 10	2 55	9 15	2 51	9 18	2 47	9 23
20	3 22	8 43	3 18	8 48	3 14	8 52	3 11	8 55	3 7	8 59
30	3 42	8 19	3 38	8 23	3 32	8 29	3 30	8 31	3 26	8 34

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South, even.	Jupiter South, Morn.	Saturn South. Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupiter Decl. North.	Saturn Decl. North
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	0 21	5 11	3 59	9 55	129 33	8 48	9 3	13 54	0 36	6 37	18 9	12 21	2 17	22 31
7 ...	0 27	5 1	3 55	9 34	135 18	9 11	9 33	14 7	0 35	6 40	16 1	13 57	2 12	22 28
13 ...	0 32	4 51	3 31	9 13	141 4	9 34	10 2	14 20	0 35	6 43	13 36	15 11	2 4	22 26
19 ...	0 37	4 42	2 42	8 53	146 50	9 56	10 30	14 35	0 33	6 45	10 58	16 25	1 54	22 23
25 ...	0 41	4 33	2 17	8 32	152 37	10 18	10 58	14 50	0 32	6 48	8 9	17 36	1 42	22 20
31 ...	0 45	4 25	1 51	8 10	158 25	10 40	11 25	15 6	0 30	6 50	5 13	18 45	1 27	22 18

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Se's.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark. Evening.	Moon's Age, Noon.	Moon South Even.	Moon's Place. 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Friday	214	4 47	7 25	8 16	4 47	7 25	8 23	4 26 11	12 6 0	0.8	0 52	♋ 23	17 52 37
2	Satur.	215	4 48	7 24	8 39	4 48	7 24	8 43	4 22 16	12 5 56	1.8	1 36	♌ 5	17 37 10
3	SUND.	216	4 49	7 22	8 58	4 50	7 22	9 0	4 18 21	12 5 51	2.8	2 18	do. 17	17 21 26
4	Mond.	217	4 50	7 21	9 16	4 51	7 21	9 17	4 14 26	12 5 46	3.8	2 58	do. 29	17 5 25
5	Tuesd.	218	4 51	7 20	9 33	4 52	7 20	9 31	4 10 31	12 5 40	4.8	3 37	♍ 11	16 49 7
6	Wed.	219	4 53	7 19	9 51	4 54	7 18	9 48	4 6 35	12 5 34	5.8	4 16	do. 23	16 32 33
7	Thur.	220	4 54	7 17	10 10	4 54	7 16	10 5	4 2 40	12 5 26	6.8	4 56	♎ 4	16 15 43
8	Friday	221	4 55	7 16	10 31	4 56	7 14	10 24	3 58 45	12 5 19	7.8	5 40	do. 16	15 58 37
9	Satur.	222	4 56	7 14	11 1	4 57	7 13	10 52	3 54 50	12 5 10	8.8	6 27	do. 29	15 41 16
10	SUND	223	4 57	7 13	11 37	4 59	7 11	11 27	3 50 55	12 5 2	9.8	7 18	♏ 11	15 23 40
11	Mond.	224	4 58	7 12	Morn	5 0	7 10	Morn	3 47 0	12 4 52	10.8	8 14	do. 24	15 5 50
12	Tuesd.	225	4 59	7 10	24	5 1	7 9	12	3 43 4	12 4 42	11.8	9 12	♐ 7	14 47 45
13	Wed.	226	5 1	7 9	1 24	5 2	7 8	1 12	3 39 9	12 4 31	12.8	10 13	do. 21	14 29 26
14	Thur.	227	5 2	7 7	2 35	5 3	7 5	2 25	3 35 14	12 4 20	13.8	11 12	♑ 5	14 10 53
15	Friday	228	5 3	7 5	Rises	5 4	7 4	Rises	3 31 19	12 4 8	14.8	Morn	do. 20	13 52 7
16	Satur.	229	5 4	7 4	7 40	5 6	7 2	7 44	3 27 24	12 3 56	15.8	0 8	♒ 5	13 33 7
17	SUND.	230	5 5	7 2	8 2	5 8	7 0	8 4	3 23 28	12 3 43	16.8	1 2	do. 20	13 13 55
18	Mond.	231	5 6	6 1	8 26	5 9	6 59	8 25	3 19 33	12 3 30	17.8	1 53	♓ 4	12 54 30
19	Tuesd.	232	5 8	6 59	8 48	5 9	6 57	8 45	3 15 38	12 3 17	18.8	2 43	do. 19	12 34 53
20	Wed.	233	5 9	6 57	9 14	5 10	6 56	9 9	3 11 43	12 3 2	19.8	3 33	♈ 3	12 15 3
21	Thur.	234	5 10	6 56	9 41	5 12	6 54	9 34	3 7 47	12 2 48	20.8	4 25	do. 18	11 55 2
22	Friday	235	5 11	6 54	10 18	5 13	6 53	10 8	3 3 52	12 2 33	21.3	5 18	♉ 2	11 34 49
23	Satur.	236	5 12	6 53	11 0	5 14	6 50	10 49	2 59 57	12 2 17	22.8	6 14	do. 15	11 14 26
24	SUND.	237	5 13	6 51	11 53	5 16	6 48	11 41	2 56 1	12 2 1	23.8	7 12	do. 28	10 53 51
25	Mond.	238	5 14	6 49	Morn	5 17	6 47	Morn	2 52 6	12 1 45	24.8	8 10	♊ 11	10 33 6
26	Tuesd.	239	5 16	6 48	52	5 18	6 46	40	2 48 11	12 1 28	25.8	9 6	do. 24	10 12 11
27	Wed.	240	5 17	6 46	1 58	5 19	6 43	1 48	2 44 15	12 1 11	26.8	9 59	♋ 7	9 51 6
28	Thur.	241	5 18	6 44	3 6	5 20	6 42	2 58	2 40 20	12 0 54	27.8	10 48	do. 19	9 29 51
29	Friday	242	5 19	6 42	4 11	5 21	6 41	4 5	2 36 25	12 0 36	28.8	11 33	♌ 2	9 8 27
30	Satur.	243	5 20	6 40	Sets.	5 22	6 38	Sets.	2 32 29	12 0 18	0.2	Ev. 16	do. 14	8 46 55
31	SUND.	244	5 21	6 39	7 22	5 23	6 37	7 23	2 28 34	12 0 0	1.2	0 56	do. 26	8 25 14

PROB. 59.—From a cask containing 324 gallons of wine, a certain quantity is drawn, and then it is filled with water, and then the same quantity of the mixture is drawn, and so on for four times, filling up with water at every draught, when 81 gallons of pure wine was in the cask. How much wine was drawn each time?

PROB. 60.—In an isosceles triangle there are inscribed 3 circles; the radius of the largest and smallest are 16 and 9. Required the size of the triangle.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Mond.	Cartier discovered Saguenay, 1535	Mercury in Desc. node.	1 27 26	Prob. 61.—Required
2	Tuesd.	London burnt, 1666.	Moon in Apogee.	1 27 26	the solidity of an *upper*
3	Wed.	Cromwell died, 1658.	Venus in Leo.	1 27 26	transverse segment of
4	Thur.	Blake born, 1657.	Venus South, 0.47 Eve.	1 27 25	the spheroid of Prob-
5	Friday	Lord Metcalf died, 1846.	Moon near Mars.	1 27 25	lem 50, its height being
6	Satur.	James II. died, 1701.	Uranus in Taurus.	1 27 25	2 feet.
7	SUND.	16*th Sunday after Trinity.*	Mars in Libra.	1 27 24	Prob. 62.—If a trans-
8	Mond.	*Nativity B. V. M.*	Moon farthest South.	1 27 24	verse segment of the el-
9	Tuesd.	William the Conqueror died, 1087		1 27 24	lipse of Problem 50, re-
10	Wed.	Mungo Park died, 1771.	Venus on Equator.	1 27 23	volve about its transverse
11	Thur.	Lord Thurlow died, 1806.	Mercury in Aphelion.	1 27 23	axis, what surface and
12	Friday	Siege of Vienna, 1683.		1 27 23	solidity will it produce,
13	Satur.	Battle Quebec. Wolf killed 1759.	Jupiter in Pisces.	1 27 22	the height of the segment
14	SUND.	17*th Sunday after Trinity.*	15th. Moon in Perigee.	1 27 22	being 2 feet?
15	Mond.	Malta taken 1800.	Moon near Jupiter.	1 27 22	
16	Tuesd.	George I. landed in England, 1714	Venus South, 0.54 Eve.	1 27 21	Prob. 63.—Given to
17	Wed.	Siege of Gibralter ended, 1782.		1 27 21	find x;
18	Thur.	Lawrence Sterne died, 1766.	☿ near Moon.	1 27 20	$\left\{\frac{1}{1+x}\left(\frac{1}{1+x}\right)^{\frac{1}{2}}\right\}^{\frac{1}{3}}$
19	Friday	Battle of Poictiers, 1359.		1 27 20	
20	Satur.	Battle of Newbury, 1643.	Moon farthest North.	1 27 20	$=\frac{\sqrt{2x}}{12}$
21	SUND.	18*th Sunday after Trinity.*	22nd. Moon near ♄	1 27 19	
22	Mond.	George III. crowned, 1761.	Sun enters Virgo.	1 27 19	
23	Tuesd.	Battle of Assaye, 1803.	22nd. ☿ Gr. Elong. E.	1 27 19	Prob. 64.—If a con-
24	Wed.	(25) Porson died, 1808.	Moon near Regulus.	1 27 18	jugate segment of the
25	Thur.	Columbus's second voyage, 1492.	Saturn in Gemini.	1 27 18	ellipse of Problem 50,
26	Friday	Philadelphia captured, 1777.	Jupiter ☌ Sun.	1 27 17	revolve about its con-
27	Satur.	Nelson born, 1758.	Venus South, 1.1 Eve.	1 27 17	jugate axis, what will be
28	SUND.	19*th Sunday after Trinity.*	Sun eclipsed, invisible.	1 27 17	the solidity of the body
29	Mond.	*Michaelmas.*	Moon in Apogee.	1 27 16	produced, its height be-
30	Tuesd.	Maj. Gen. Sir J. Brock. Pres. 1811	Moon near Venus.	1 27 16	ing 1 foot?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 19.—Let $52=2a$, $104=b$, $\sqrt{(2029)}=c$, then the sides$=\frac{1}{2}b\pm\sqrt{(a^2+c^2-\frac{1}{4}b^2)}=53$ and 51. Ans.

Ex. 20.—Let $75=a$, $61=b$, $\sqrt{(3889)}=c$, then the base$=2\sqrt{\left\{\frac{1}{2}(a^2+b^2)-c^2\right\}}=56$. Ans.

Ex. 21.—Let $194=b$, $66=a$, and $200=d$, then the one side$=\sqrt{\left\{\frac{1}{m}(a^2n+mn^2)\right\}}=81.3656$, and the other $=\sqrt{\left\{\frac{1}{n}(a^2m+nm^2)\right\}}=157.4395$.

In these formulæ, $m=\frac{1}{2}b+\frac{1}{2}\sqrt{(b^2-4r^2)}$ and $n=\frac{1}{2}b-\frac{1}{2}\sqrt{(b^2-4r^2)}$, and r=the product of the segments of the base, or $r=a\left\{\sqrt{(\frac{1}{4}a^2+de)}-\frac{1}{2}a\right.$, in which $e=\sqrt{\left\{\left(\frac{1}{2}(d-b)\right)^2+b\left(\frac{1}{2}(d-b)\right)+\frac{1}{2}d\right\}}=124{\cdot}31$.

Ex. 22.—Let $12=a$, $7=r$, then the sum of the legs$=2r^2\div(2r-a)=49$, and their product$=2r^2a\div(2r-a)=588$. The legs will be expressed by $r\left\{r\pm\sqrt{(r^2-4ra+2a^2)}\right\}\div(2r-a)$,$=21$, or 28. Ans.

The hypothenuse$=2r(a-r)\div(2r-a)=35$. Ans.

Ex. 23.—Let $12=a$, then the radii of the circles required$=a(2\sqrt{3}-3)=5.568$. Ans.

Ex. 24.—Let $4=a$, then $a\left\{\frac{1}{2}(3\pm\sqrt{5})\right\}=10.472$, or 6.472. Ans.

Note.—As the question reads, it is immaterial about the base.

Ex. 25.—Let $39=a$, $b=24$, and $8:5::m:n$, then one side$=\sqrt{\left(b^2+\left(am^2\div(m^2-n^2)\pm\sqrt{\left\{a^2m^4\div(m^2-n^2)^2-a^2m^2\div(m^2-n^2)-b^2\right\}}\right)^2\right)}=40$. The other side$=40n\div m=25$ Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
◐ First Quarter ...	7	10 39 mo	11 12 mo
○ Full Moon	14	8 51 mo	9 23 mo
◑ Last Quarter ...	21	0 31 mo	1 3 mo
● New Moon	28	10 31 ev	11 3 ev
☽ Apogee	2	10 21 mo	10 53 mo
☽ Perigee	15	2 33 mo	3 5 mo

Days.	Twilight or Daylight begins and ends at— Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End. P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredrict n Beg. A. M.	Fredrict n End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	4 41	8 19	3 38	8 21	3 35	8 24	3 33	8 26	3 30	8 29
10	3 55	7 58	3 52	8 1	3 50	8 3	3 48	8 5	3 46	8 8
20	4 8	7 38	4 7	7 39	4 3	7 41	4 1	7 43	4 0	7 46
30	4 21	7 19	4 20	7 20	4 18	7 21	4 18	7 22	4 17	7 23

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South. Even.	Jupit'r South, Morn.	Saturn South. Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mar's Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mar's Decl. south	Jupit'r Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	0 46	4 23	1 41	8 7	159 24	10 44	11 30	15 8	0 29	6 51	4 43	18 56	1 25	22 17
7 ...	0 49	4 16	1 21	7 45	165 13	11 6	11 57	15 24	0 27	6 53	s1 40	20 0	1 8	22 15
13 ...	0 53	4 8	0 59	7 24	171 3	11 27	12 24	15 41	0 24	6 55	s1 24	21 0	0 50	22 12
19 ...	0 56	4 2	0 28	7 2	176 55	11 49	12 51	15 58	0 21	6 57	4 29	21 54	0 31	22 10
25 ...	1 0	3 56	Even.	6 40	182 48	12 10	13 19	16 15	0 18	6 58	7 30	22 43	N 12	22 8
30 ...	1 3	3 51	11 36	6 21	187 43	12 28	13 42	16 30	0 16	6 59	9 57	23 18	S 4	22 7

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark, Morning.	Mn's Age Noon.	Moon South. Even.	Moon's Place at 7 P. M.	Sun's Declination South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Mond.	245	5 23	6 37	7 39	5 25	6 35	7 39	2 24 39	11 59 41	2.2	1 35	♍ 7	8 3 24
2	Tuesd.	246	5 24	6 35	7 55	5 26	6 32	7 53	2 20 43	11 59 22	3.2	2 14	do. 19	7 41 27
3	Wed.	247	5 25	6 33	8 17	5 28	6 30	8 13	2 16 48	11 59 3	4.2	2 53	♎ 1	7 19 22
4	Thur.	248	5 26	6 31	8 35	5 30	6 28	8 29	2 12 53	11 58 43	5.2	3 35	do. 13	6 57 10
5	Friday	249	5 27	6 30	9 0	5 31	6 27	8 52	2 8 57	11 58 23	6.2	4 20	do. 25	6 34 53
6	Satur.	250	5 28	6 28	9 31	5 32	6 24	9 21	2 5 2	11 58 3	7.2	5 9	♏ 7	6 12 28
7	SUND.	251	5 30	6 26	10 13	5 33	6 23	10 0	2 1 6	11 57 43	8.2	6 1	do. 19	5 49 57
8	Mond.	252	5 31	6 24	11 6	5 34	6 22	11 54	1 57 11	11 57 23	9.2	6 57	♐ 2	5 27 21
9	Tuesd.	253	5 32	6 22	Morn	5 35	6 19	12 0	1 53 15	11 57 2	10.2	7 56	do. 16	5 4 39
10	Wed.	254	5 33	6 20	11	5 36	6 18	Morn	1 49 19	11 56 41	11.2	8 54	do. 29	4 41 53
11	Thur.	255	5 34	6 19	1 26	5 37	6 15	1 16	1 45 24	11 56 20	12.2	9 51	♑ 13	4 19 1
12	Friday	256	5 35	6 17	2 46	5 39	6 13	2 38	1 41 29	11 55 59	13.2	10 46	do. 28	3 56 6
13	Satur.	257	5 37	6 15	Rises	5 40	6 12	Rises	1 37 34	11 55 38	14.2	11 39	♒ 13	3 33 5
14	SUND.	258	5 38	6 13	6 27	5 41	6 9	6 27	1 33 38	11 55 17	15.2	Morn	do. 28	3 10 1
15	Mond.	259	5 39	6 11	6 49	5 43	6 7	6 47	1 29 43	11 54 56	16.2	0 31	♓ 13	2 46 54
16	Tuesd.	260	5 40	6 9	7 15	5 44	6 6	7 10	1 25 47	11 54 35	17.2	1 22	do. 28	2 23 43
17	Wed.	261	5 41	6 7	7 41	5 45	6 3	7 35	1 21 51	11 54 13	18.2	2 15	♈ 13	2 0 29
18	Thur.	262	5 42	6 6	8 15	5 46	6 2	8 6	1 17 56	11 53 52	19.2	3 9	do. 27	1 37 13
19	Friday	263	5 44	6 4	8 57	5 48	6 0	8 45	1 14 0	11 53 31	20.2	4 6	♉ 12	1 13 54
20	Satur.	264	5 45	6 2	9 47	5 49	5 57	9 35	1 10 5	11 53 19	21.2	5 5	do. 25	0 50 34
21	SUND.	265	5 46	6 0	10 46	5 51	5 55	10 34	1 6 9	11 52 49	22.2	6 4	♊ 8	0 27 11
22	Mond.	266	5 47	5 58	11 50	5 52	5 53	11 40	1 2 13	11 52 28	23.2	7 2	do. 21	0 3 48
23	Tuesd.	267	5 48	5 56	Morn	5 52	5 52	Morn	0 58 18	11 52 7	24.2	7 56	♋ 4	S. 19 37
24	Wed.	268	5 49	5 54	53	5 54	5 50	45	0 54 22	11 51 47	25.2	8 46	do. 16	0 43 2
25	Thur.	269	5 50	5 52	2 35	5 56	5 48	1 56	0 50 27	11 51 26	26.2	9 32	do. 29	1 6 28
26	Friday	270	5 52	5 51	3 85	5 56	5 46	3 3	0 46 31	11 51 6	27.2	10 15	♌ 11	1 29 53
27	Satur.	271	5 53	5 49	4 11	5 57	5 45	4 9	0 42 35	11 50 46	28.2	10 55	do. 22	1 53 18
28	SUND.	272	5 54	5 47	Sets	5 59	5 43	Sets	0 38 40	11 50 27	29.2	11 34	♍ 4	2 16 42
29	Mond.	273	5 55	5 45	6 4	6 0	5 40	6 1	0 34 44	11 50 7	0.5	Ev. 13	do. 16	2 40 5
30	Tuesd.	274	5 57	5 43	6 18	6 2	5 38	6 14	0 30 48	11 49 48	1.5	0 52	do. 28	3 3 27

PROB. 65.—The sum of 6 numbers in arithmetical progression is 33, and the sum of their squares is 199. Required the numbers.

PROB. 66.—From a point in a square county to the corners, are 13, 27, 21, and 31.6385 miles. What is the size of the county?

PROB. 67.—With what velocity per second must a ball be discharged in a vertical direction, that it may *never return*, the earth's radius being 3956.2 miles, no resisting medium being considered?

PROB. 68.—The radius of a circle is 100; what is the radius of 15 equal circles inscribed within it, tangent to it and to each other?

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star. °	′	″
1	Wed.	Corneille died, 1684.	Moon near Mercury.	1	27	16
2	Thur.	Cartier arrived at Montreal, 1535.	Venus in Libra.	1	27	15
3	Friday	Old St. Matthew.	Venus South, 1.5 Eve.	1	27	15
4	Satur.	(3) Dey of Algiers strangled, 1817.	Moon near Mars ♀ ♂ ☿	1	27	14
5	SUND.	*20th Sunday after Trinity.*	Mercury Stationary.	1	27	14
6	Mond.	Louis Philippe born. 1773.	Saturn 90° W. of Sun.	1	27	14
7	Tuesd.	Great Fire at Miramichi, 1825.	6th. Moon lowest.	1	27	13
8	Wed.	Sheridan born, 1751.	Jupiter South, 11 Eve.	1	27	13
9	Thur.	Dutch Fleet defeated, 1797.	Mars in Scorpio.	1	27	12
10	Friday	Benjamin West born, 1783.	Venus South, 1.11 Eve.	1	27	12
11	Satur.	Canova died, 1822.	Moon near Neptune.	1	27	12
12	SUND.	*21st Sunday after Trinity.*	Moon near Jupiter.	1	27	11
13	Mond.	Battle of Queenston, 1812.	Moon perigee.	1	27	11
14	Tuesd.	Battle of Hastings, 1066.	13th. Moon eclipsed.	1	27	11
15	Wed.	Murat shot, 1815.	Moon near Uranus.	1	27	10
16	Thur.	Kosciusko died, 1817.	Venus South, 1.16 Eve.	1	27	10
17	Friday	Sir Phillip Sydney killed, 1586.	☿ Inf. ☌ Sun.	1	27	9
18	Satur.	Battle of Leipsic, 1813.	Moon highest.	1	27	9
19	SUND.	*22nd Sunday after Trinity.*	Saturn near Moon.	1	27	9
20	Mond.	Battle of Navarino, 1827.	Jupiter South, 10.8 Ev.	1	27	8
21	Tuesd.	Battle of Trafalgar, 1805.	☿ in Ascen. node.	1	27	8
22	Wed.	Lord Holland died, 1840.	Moon near Regulus.	1	27	8
23	Thur.	Battle of Edgehill, 1842.	Sun enters Libra.	1	27	7
24	Friday	Edict of Nantes revoked, 1685.	Venus South, 1.24 Eve.	1	27	7
25	Satur.	(26) Hogarth died, 1764.	Mercury Stationary.	1	27	6
26	SUND.	*23rd Sunday after Trinity.*	Saturn Stationary.	1	27	6
27	Mond.	Sir Walter Raleigh beh. 1618.	Moon ☌ Mercury.	1	27	6
28	Tuesd.	Alfred the Great died, 900.	Jupiter South, 9.33 Ev.	1	27	5
29	Wed.	Morland died, 1804.	Mars farthest South.	1	27	5
30	Thur.	(29) Battle of Fort Erie.	Venus South 1·32 Eve.	1	27	5
31	Friday	All hallow Eve.	Moon near Regulus.	1	27	4

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 26.—Let $21=a$, $30=b$, and $80°=A$, then the area$=\frac{1}{2}ab \sin A=310.214457$. Ans.

Ex. 27.—Area$=\frac{1}{2}\ 3x^{4x}=\frac{1}{4}\sqrt{2}(3x^{4x}+x^{6x})$, or $6x^{4x}=\sqrt{2}(3x^{4x}+x^{6x})$. Hence dividing by x^{4x} we get $\sqrt{2}\ (x^{2x}+3)=6$. Squaring both sides, after transposing, we get $x^{4x}=\frac{1}{2}(54-36\sqrt{2})$. Therefore $\frac{1}{2}\ 3x^{4x}=\frac{1}{2}(81-54\sqrt{2})=2.3162328$. Ans.

Ex. 28 —Let $108=a^2$, then sides will$=\frac{1}{2}a\sqrt{6}=9\sqrt{2}$; $\frac{2}{3}a\sqrt{6}=12\sqrt{2}$; and $\frac{5}{6}a\sqrt{2}=15\sqrt{2}$. Ans.

Ex. 29.—Let $10=a$, the side$=a\sqrt{(2-\sqrt{3})}=5{\cdot}17687064$. Ans.

Ex. 30.—Let $4140=\frac{1}{2}a$, $202=b$, $41=c$. The perpendicular falling upon $c=\bullet\div c$; and the third side$=\sqrt{\left\{c^2+b^2\pm2\sqrt{(b^2c^2-a^2)}\right\}}=207$, or 205.234. Ans.

Note.—Mr. Sheehan has furnished a formula for this problem substantially the same as the above.

Ex. 31.—Let $25=a$, $35=b$, $31=c$, $19=d$, and x=diagonal, then $x^2=\frac{1}{2}(a^2+c^2)\pm\sqrt{\left\{b^2d^2-\frac{1}{4}(c^2-a^2)^2\right\}}=(37{\cdot}9)^2$; and $\frac{1}{2}\ x^2=\frac{1}{2}(37{\cdot}9)^2=718{\cdot}205$ area required. Ans.

Ex. 32.—Let $20.2825=a$, and $3x$=perp. and $4x$=the base, then $5x$=hypoth., and $2x$=diameter of inscribed circle. Then $\frac{12}{7}x$=side of inscribed square. Hence $x^2\times3.1416-\left(\frac{12x}{7}\right)^2=a$, and $x=\sqrt{\left\{a\div(3.1416-144\div49)\right\}}=10$. Hence $3x=30$, $4x=40$, $5x=50$. Ans.

Ex. 33.—The area enclosed by the circumferences of the two circles is intended to be understood. Ans. 12115.06, the two small segments being$=765.5$.

Can some one give us a literal formula for this?

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
First Quarter ...	7	0 20 mo	0 53 mo
Full Moon	13	5 42 ev	6 14 ev
Last Quarter ...	20	0 49 ev	1 22 ev
New Moon	28	4 37 ev	5 10 ev
Perigee	13	1 15 ev	1 47 ev
Apogee	26	9 21 ev	9 53 ev

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredrict'n Beg. A. M.	Fredrict'n End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	4 22	7 16	4 21	7 18	4 21	7 18	4 19	7 20	4 18	7 21
10	4 34	7 0	4 33	7 1	4 32	7 2	4 31	7 2	4 31	7 3
20	4 45	6 44	4 45	6 40	4 45	6 45	4 46	6 43	4 44	6 45
30	4 56	6 27	4 56	6 27	5 9	6 23	5 5	6 21	4 57	6 29

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South. Even.	Jupit'r South. Even.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	1 4	3 50	11 31	6 18	188 42	12 32	13 46	16 33	0 15	6 59	10 26	23 25	0 7	22 7
7 ...	1 8	3 45	11 5	5 55	194 37	12 54	14 14	16 52	0 12	7 0	13 13	24 0	0 25	22 5
13 ...	1 13	3 40	10 38	5 32	200 33	13 16	14 43	17 11	0 9	7 1	15 49	24 26	0 42	22 4
19 ...	1 19	3 36	10 12	5 9	206 31	13 38	15 13	17 30	0 7	7 1	18 12	24 45	0 58	22 4
25 ...	1 26	3 32	9 46	4 46	212 36	14 1	15 43	17 49	0 5	7 2	20 17	24 54	1 11	22 4
31 ...	1 33	3 28	9 21	4 22	218 30	14 24	16 14	18 9	0 3	7 1	22 2	24 51	1 22	22 4

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark. Morning.	Mn's Age Noon.	Moon South. Even.	Moon's Place at 7 P. M.	Sun's Declination South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	°	° ′ ″
1	Wed.	275	5 58	5 41	6 40	6 4	5 36	6 34	0 26 52	11 49 29	2.5	1 34	♎ 10	3 26 46
2	Thur.	276	5 59	5 40	7 3	6 5	5 33	6 55	0 22 57	11 49 10	3.5	2 17	do. 22	3 50 4
3	Friday	277	6 0	5 38	7 32	6 6	5 32	7 22	0 19 1	11 48 52	4.5	3 4	♏ 4	4 13 18
4	Satur.	278	6 1	5 36	8 9	6 7	5 31	7 58	0 15 5	11 48 34	5.5	3 55	do. 16	4 36 29
5	SUND	279	6 3	5 34	8 57	6 8	5 28	8 45	0 11 10	11 48 16	6.5	4 48	do. 28	4 59 37
6	Mond.	280	6 4	5 32	9 55	6 9	5 27	9 43	0 7 14	11 47 59	7.5	5 44	♐ 11	5 22 41
7	Tuesd.	281	6 5	5 30	11 3	6 11	5 25	10 53	Evening	11 47 42	8.5	6 41	do. 24	5 45 40
8	Wed.	282	6 6	5 29	Morn	6 13	5 23	Morn	11 55 26	11 47 25	9.5	7 37	♑ 8	6 8 35
9	Thur.	283	6 7	5 27	20	6 14	5 20	11	11 51 31	11 47 9	10.5	8 31	do. 22	6 31 26
10	Friday	284	6 9	5 25	1 37	6 15	5 19	1 31	11 47 35	11 46 53	11.5	9 23	♒ 6	6 54 10
11	Satur.	285	6 10	5 23	2 58	6 16	5 18	2 55	11 43 39	11 46 38	12.5	10 15	do. 21	7 16 50
12	SUND	286	6 11	5 22	4 16	6 18	5 16	4 16	11 39 43	11 46 24	13.5	11 6	♓ 6	7 39 23
13	Mond.	287	6 12	5 20	Rises	6 19	5 15	Rises	11 35 37	11 46 9	14.5	11 58	do. 21	8 1 50
14	Tuesd.	288	6 14	5 18	5 38	6 21	5 11	5 33	11 31 51	11 45 56	15.5	Morn	♈ 7	8 24 9
15	Wed.	289	6 15	5 17	6 11	6 23	5 9	6 3	11 27 55	11 45 43	16.5	0 53	do. 22	8 46 22
16	Thur.	290	6 16	5 15	6 49	6 24	5 8	6 40	11 24 0	11 45 30	17.5	1 51	♉ 6	9 8 28
17	Friday	291	6 18	5 13	7 39	6 25	5 6	7 27	11 20 4	11 45 18	18.5	2 51	do. 21	9 30 26
18	Satur.	292	6 19	5 12	8 36	6 26	5 4	8 24	11 16 8	11 45 7	19.5	3 52	♊ 4	9 52 15
19	SUND	293	6 20	5 10	9 40	6 27	5 3	9 28	11 12 12	11 44 56	20.5	4 53	do. 18	10 13 56
20	Mond.	294	6 21	5 8	10 48	6 28	5 2	10 38	11 8 15	11 44 46	21.5	5 50	♋ 1	10 35 28
21	Tuesd.	295	6 23	5 7	11 55	6 30	5 0	11 48	11 4 20	11 44 37	22.5	6 42	do. 13	10 57 51
22	Wed.	296	6 24	5 5	Morn	6 31	4 59	Morn	11 0 24	11 44 28	23.5	7 30	do. 26	11 18 4
23	Thur.	297	6 25	5 3	59	6 32	4 56	54	10 56 28	11 44 20	24.5	8 14	♌ 8	11 39 8
24	Friday	298	6 27	5 2	2 46	6 34	4 54	2 1	10 52 32	11 44 13	25.5	8 55	do. 26	12 0 0
25	Satur.	299	6 28	5 0	3 56	6 35	4 53	3 3	10 48 36	11 44 7	26.5	9 34	♍ 1	12 20 42
26	SUND	300	6 29	4 59	4 56	6 37	4 51	4 6	10 44 40	11 44 1	27.5	10 13	do. 13	12 41 12
27	Mond.	301	6 31	4 57	5 66	6 39	4 49	5 8	10 40 44	11 43 56	28.5	10 52	do. 25	13 1 13
28	Tuesd.	302	6 32	4 56	Sets. 6 41	6 41	4 47	Sets	10 36 48	11 43 52	29.5	11 32	♎ 7	13 21 37
29	Wed.	303	6 33	4 54	5 76	6 42	4 45	5 0	10 32 52	11 43 48	0.8	Ev. 13	do. 19	13 41 31
30	Thur.	304	6 35	4 53	5 34	6 44	4 44	3 25	10 28 56	11 43 55	1.8	1 1	♏ 1	14 1 12
31	Friday	305	6 36	4 51	6 10	6 45	4 43	6 0	10 25 0	11 43 43	2.8	1 51	do. 13	14 20 39

PROB. 74.—A triangular field, whose sides are 100, 120, and 160 rods, is required to be divided into 3 *equal* parts, by lines drawn from the corners, and meeting at a point within. Required the lengths of said lines.

PROB. 75.—A ship sails north 7 miles per hour, another sails east 10 miles per hour, for 5 hours; she then tacks to cut the other off, or to overtake her. How far must she sail to do it, and on what course?

PROB. 76.—Required all the integral values of x, and y, when $11x+5y=254$.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	
1	Satur.	*All Saints.*	Moon lowest.	1 27 4	Prob. 77.—If a cy-
2	SUND.	*24th Sunday after Trinity.*	☿ Gr. Elong. West.	1 27 3	cloid, whose height is 5
3	Mond.	Sir Samuel Romilley died 1818.	Jupiter South, 9.8 Ev.	1 27 3	feet, revolve about its
4	Tuesd.	(3) St. Jean d' Acre taken, 1840.	Venus in Scorpio.	1 27 3	base, what surface and
5	Wed.	Battle of Inkermann, 1854.	Venus South, 1.39 Ev.	1 27 2	solidity will it generate?
6	Thur.	Princess Charlotte died, 1817.	Moon in Sagittarius.	1 27 2	Prob. 78.—What is
7	Friday	First Newspaper at Oxford, 1665.	Moon near Neptune.	1 27 2	the solidity and surface
8	Satur.	(7) Milton died, 1674.	Moon near Jupiter.	1 27 1	of a wedge, whose base
9	SUND.	*25th Sunday after Trinity.*	Saturn in Gemini.	1 27 1	is 5 feet long and 1 foot
10	Mond.	Martin Luther born, 1483.	Jupiter South, 8.39 Ev.	1 27 1	broad, the height being
11	Tuesd.	Battle of Williamsburg, 1813.	Moon perigee.	1 27 0	2 feet and length of edge
12	Wed.	Montreal taken, 1775.	Uranus near Moon.	1 27 0	3 feet?
13	Thur.	Curran died, 1817.	Venus South, 1.51 Eve.	1 27 0	Prob. 79.—If the ruler
14	Friday	Source of Nile discov. 1770.	Uranus 180° E. of Sun.	1 26 59	of Problem 85 be sawed
15	Satur.	Great Fire in New York, 1835.	Moon near Saturn.	1 26 59	in two obliquely cross-
16	SUND.	*26th Sunday after Trinity.*	15th. Moon highest.	1 26 59	wise, making the height
17	Mond.	(16) Reubens born, 1577.	Jupiter South, 8.11 Ev.	1 26 58	of the smallest part 6
18	Tuesd.	Cardinal Woolsey died, 1530.	Venus South, 1.58 Ev.	1 26 58	inches, and nothing;
19	Wed.	Battle of Navarino, 1827.	Moon near Regulus.	1 26 58	what will be the surface
20	Thur.	Cape doubled, 1497.	Jupiter in Pisces.	1 26 57	and solidity of each part,
21	Friday	Princess Royal born, 1840.	Sun enters Scorpio.	1 26 57	and the distance around
22	Satur.	Tillotson died, 1694.	Venus farthest South.	1 26 57	the sawed part?
23	SUND.	*27th Sunday after Trinity.*	Moon in apogee.	1 26 56	Prob. 80.—If the ruler
24	Mond.	John Knox died, 1572.	Jupiter Stationary.	1 26 56	of Problem 85 be cut by a
25	Tuesd.	British evacuated N. York, 1783.	Jupiter South, 7.39 Ev.	1 26 56	plane through its side
26	Wed.	Dr. Watts died, 1748.	Moon near Mercury.	1 26 56	and end, making the
27	Thur.	Frontenac died at Quebec, 1698.	Neptune Stationary.	1 26 55	height of the smaller
28	Friday	Goldsmith born, 1713.	Mercury in Des. node.	1 26 55	body six inches, and its
29	Satur.	(30) *St. Andrew's Day.*	Moon farthest South.	1 26 55	base ½ an inch wide, what
30	SUND.	*Advent Sunday.*	Moon near Venus.	1 26 44	will be the surface and
					solidity of each part?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex 34.—Let $100=a$, $65=b$, $55=c$, then one line$=\frac{2}{6}\sqrt{(2b^2+2c^2-a^2)}=22.3606797$; another $=\frac{2}{6}\sqrt{(2a^2+2b^2-c^2)}=53.15$; and the other$=\frac{2}{6}\sqrt{(2a^2+2c^2-b^2)}=49.244$. Ans.

Ex. 35.—Let $50=a$, $1560=\frac{1}{2}b$, base$=x$, then $x^3+\frac{1}{2}ax^2=b^2\div 2a$; from which $x=39$, and perp. $=80$. Ans.

Will some one give us a simpler formula?

Ex. 36.—Let $100=a$, $109=b$, $c=50$, then the base$=(ab-c^2)(a+b)\div(ab+c^2)=131$ 1-67th. Ans.

Ex. 37.—Let $100=a$, diameter$=7912=2r$, then he can see $a\div 2(r+a)=25\div 2028$ of the surface. Ans.

Ex. 38.—Let $95=a$, $98=b$, $100=c$, x=base. Then $x=2a^2b\sqrt{c}\div\sqrt{(2a^4b^2c^2+2a^2b^2c^4+2a^2b^4c^2-2a^4c^4-b^4c^4)}=115.99519$. Ans.

Ex. 39.—Let $100=a^2$, then one leg$=a\sqrt{\left(\sqrt{(2\sqrt{5}-2)}\right)}=12.5392$; the other$=a\sqrt{\left(\sqrt{(2\sqrt{5}-2)}\right)}=15.9498$. Ans.

Ex. 40.—Let $2=a$, $3=b$, $5=c$, then the perpendicular$=(a+b+c)=10$; the side$=\frac{2}{3}\sqrt{3}\,(a+b+c)=11.547$. Ans.

Area$=\frac{1}{3}\sqrt{3}\,(a+b+c)^2=\frac{1}{3}(100\sqrt{3})=57.735$. Ans.

Ex. 41.—35.80737, 47.40728, and 59.41143. Ans.

Note.—Will some one find a set of formulæ for this?

Ex. 42.—One leg$=2\sqrt{(4a^2-b^2)}\div\sqrt{15}$, the other$=2\sqrt{(4b^2-a^2)}\div\sqrt{15}$, and hypothenuse $=\frac{2}{5}\sqrt{(5a^2+5b^2)}$

Ex. 43.—Let $a=18$, $b=17$, and $6:5::m:n$; then one side$=m\sqrt{(a^2-b^2)}\div\sqrt{(m^2-n^2)}=30$; the other side$=n\sqrt{(a^2-b^2)}\div\sqrt{(m^2-n^2)}=25$. Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
First Quarter ...	5	0 5 ev	0 38 ev
Full Moon	12	3 38 ev	4 10 ev
Last Quarter ...	19	5 17 mo	5 49 mo
New Moon	27	10 44 mo	11 16 mo
Perigee.....	10	11 51 ev	0 23 mo
Apogee	23	6 15 mo	6 47 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredric'n. Beg. A. M.	Fredric'n. End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	5 0	6 28	5 0	6 28	5 0	6 27	5 1	6 27	5 0	6 27
10	5 10	6 18	5 10	6 18	5 7	6 22	5 11	6 17	5 12	6 16
20	5 21	6 11	5 22	6 10	5 23	6 9	5 23	6 9	5 26	6 8
30	5 31	6 7	5 34	6 4	5 34	6 4	5 34	6 4	5 35	6 3

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupit'r South Even.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	1 34	3 27	9 17	4 18	219 30	14 28	16 19	18 12	0 3	7 1	22 18	25 0	1 24	22 4
7 ...	1 42	3 23	8 52	3 54	225 31	14 52	16 51	18 32	0 1	7 1	23 37	24 54	1 32	22 5
13 ...	1 51	3 20	8 27	3 30	231 34	15 16	17 23	18 52	0 0	7 0	24 32	24 45	1 37	22 7
19 ...	2 0	3 16	8 3	3 9	237 37	15 41	17 55	19 12	0 0	6 59	25 0	24 26	1 39	22 8
25 ...	2 8	3 12	7 39	2 41	243 41	16 7	18 28	19 32	0 0	6 58	25 2	24 0	1 38	22 10
30 ...	2 16	3 9	7 20	2 20	248 45	16 28	18 55	19 49	0 0	6 57	24 42	23 25	1 35	22 13

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Evening.	Shadow at Noon Mark, Morning.	Mn's Age Noon.	Moon South Even.	Moon's Place at 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s	° ° ′ ″
1	Satur.	306	6 37	4 50	6 54	6 46	4 42	6 42	10 21 3	11 43 42	3. 8	2 44	♍	25 14 39 52
2	SUND.	307	6 39	4 49	7 48	6 47	4 41	7 36	10 17 7	11 43 42	4. 8	3 39	♐	8 14 58 51
3	Mond.	308	6 40	4 47	8 52	6 48	4 40	8 42	10 13 11	11 43 42	5. 8	4 34	do.	21 15 17 35
4	Tuesd.	309	6 41	4 46	10 4	6 49	4 39	9 55	10 9 15	11 43 44	6. 8	5 29	♑	4 15 36 4
5	Wed.	310	6 43	4 45	11 19	6 51	4 37	11 11	10 5 19	11 43 46	7. 8	6 22	do.	17 15 54 17
6	Thur.	311	6 44	4 44	Morn	6 53	4 35	Morn	10 1 23	11 43 49	8. 8	7 13	♒	1 16 12 15
7	Friday	312	6 45	4 42	35	6 55	4 33	31	9 57 26	11 43 52	9. 8	8 3	do.	15 16 29 56
8	Satur.	313	6 47	4 41	1 42	6 56	4 32	1 40	9 53 30	11 43 57	10. 8	8 52	do.	30 16 47 20
9	SUND.	314	6 48	4 40	3 8	6 58	4 30	3 9	9 49 34	11 44 2	11. 8	9 42	♓	15 17 4 27
10	Mond.	315	6 49	4 39	4 26	6 59	4 29	4 28	9 45 38	11 44 8	12. 8	10 35	do.	30 17 21 16
11	Tuesd.	316	6 51	4 39	Rises	7 0	4 28	Rises	9 41 41	11 44 15	13. 8	11 31	♈	15 17 37 48
12	Wed.	317	6 52	4 38	4 40	7 1	4 27	4 31	9 37 45	11 44 23	14. 8	Morn	do.	30 17 54 1
13	Thur.	318	6 53	4 37	5 25	7 2	4 26	5 13	9 33 49	11 44 32	15. 8	0 31	♉	14 18 9 55
14	Friday	319	6 55	4 36	6 20	7 4	4 25	6 8	9 29 53	11 44 41	16. 8	1 34	do.	29 18 25 31
15	Satur.	320	6 56	4 35	7 23	7 6	4 24	7 11	9 25 56	11 44 52	17. 8	2 37	♊	13 18 40 47
16	SUND.	321	6 57	4 34	8 32	7 8	4 22	8 22	9 22 0	11 45 3	18. 8	3 37	do.	26 18 55 43
17	Mond.	322	6 59	4 33	9 41	7 9	4 21	9 32	9 18 4	11 45 15	19. 8	4 23	♋	9 19 10 19
18	Tuesd.	323	7 0	4 32	10 48	7 10	4 20	10 42	9 14 7	11 45 28	20. 8	5 24	do.	22 19 24 35
19	Wed.	324	7 1	4 31	11 54	7 13	4 19	11 49	9 10 11	11 45 42	21. 8	6 10	♌	4 19 38 30
20	Thur.	325	7 3	4 30	Morn	7 14	4 18	Morn	9 6 15	11 45 57	22. 8	6 53	do.	16 19 52 3
21	Friday	326	7 4	4 29	56	7 15	4 17	54	9 2 18	11 46 12	23. 8	7 33	do.	28 20 5 14
22	Satur.	327	7 5	4 29	1 57	7 16	4 16	1 57	8 58 22	11 46 28	24. 8	8 12	♍	10 20 18 4
23	SUND.	328	7 6	4 27	2 57	7 18	4 16	2 59	8 54 26	11 46 46	25. 8	8 50	do.	22 20 30 31
24	Mond.	329	7 8	4 26	4 0	7 19	4 15	4 3	8 50 29	11 47 3	26. 8	9 30	♎	3 20 42 36
25	Tuesd.	330	7 9	4 26	5 5	7 20	4 14	5 10	8 46 33	11 47 22	27. 8	10 13	do.	15 20 54 17
26	Wed.	331	7 10	4 25	6 10	7 22	4 14	6 18	8 42 36	11 47 42	28. 8	10 58	do.	27 21 5 35
27	Thur.	332	7 11	4 25	Sets.	7 23	4 13	Sets.	8 38 40	11 48 2	0. 1	11 47	♏	10 21 16 29
28	Friday	333	7 13	4 24	4 50	7 24	4 12	4 38	8 34 43	11 48 22	1. 1	Ev. 39	do	22 21 26 58
29	Satur.	334	7 14	4 24	5 43	7 26	4 12	5 31	8 30 47	11 48 44	2. 1	1 34	♐	5 21 37 3
30	SUND.	335	7 15	4 23	6 46	7 27	4 11	6 34	8 26 56	11 49 6	3. 1	2 30	do.	18 21 46 44

PROB. 81.—What is the 5th root of $32x^5-30x^4+80x^3-40x^2+10x-1$?

PROB. 82.—If the the measure of Problem 88 be emptied so as to let 3 inches of the bottom appear, what will be the convex surface and solidity of the empty and filled space?

PROB. 83.—If the measure of Problem 88 be emptied so as to show 4 inches of the bottom, what will be the solidity and *entire* surface of the filled and empty space, and the distance around the edge of the water?

PROB. 84.—Required the surface and solidity of a solid bounded by four equilateral triangles, each side being six feet.

Day of Month	Day of Week.	Remarkable Events.	Astronomical Notes.	Polar Distance of Pole Star.	Mathematical Problems.
				° ′ ″	Prob. 85.—If a round
1	Mond.	Alexander of Russia died, 1825.	Moon near Mars.	1 26 54	ruler, whose length is 1
2	Tuesd.	Buonaparte crowned, 1804.	Jupiter South, 7.12 Ev.	1 26 54	foot and diameter 2 in-
3	Wed.	St. Paul's Cathedral finished, 1710	Venus in Sagittarius.	1 26 54	ches be sawed in two,
4	Thur.	(3) Flaxman died, 1826.	Venus South, 2.21 Ev.	1 26 53	lengthwise, the saw en-
5	Friday	Mozart died, 1792.	Moon near Neptune.	1 26 53	tering ½ an inch from the
6	Satur.	(7) Sidney beheaded, 1683.	Moon near Jupiter.	1 26 53	centre of the end, and
7	SUND.	*2nd Sunday in Advent.*	Mars in Capricorn.	1 26 53	going straight through,
8	Mond.	Mary Queen of Scots born, 1542.	Mercury in Aphelion.	1 26 52	what will be the surface
9	Tuesd.	Milton born, 1608.	Moon in perigee.	1 26 52	and solidity of each
10	Wed.	(9) Gay died, 1732.	9th. ☿ Sup. ♂. Sun.	1 26 52	part?
11	Thur.	Charles XII. killed, 1718.	Neptune 90° E. Sun.	1 26 52	Prob. 86.—If the ruler
12	Friday	Brunel died, 1849.	Moon highest. ☊ peri.	1 26 52	of Problem 85 be cut by
13	Satur.	Dr. Johnson died, 1784.	Moon near Saturn.	1 26 51	a plane running through
14	SUND.	*3rd Sunday in Advent.*		1 26 51	both ends, at ½ an inch
15	Mond.	Earl Stanhope died, 1816.	Venus South, 2.36 Ev.	1 26 51	from the centre of one,
16	Tuesd.	(15) St. Eustache destroyed, 1837.	Moon near Regulus.	1 26 51	and ¼ of an inch from
17	Wed.	First L. C. Parliament, 1792.	Saturn in Gemini.	1 26 51	the centre of the other
18	Thur.	Bolivar died, 1830.	Jupiter South, 6.12 Ev.	1 26 50	end, on opposite sides of
19	Friday	Lycho Brahe born, 1586.	Uranus in Taurus.	1 26 50	the axis, what will be the
20	Satur.	Gray died, 1716.	Venus South, 2.41 Ev.	1 26 50	solidity and convex sur-
21	SUND.	*4th Sunday in Advent.*	Sun enters Sagittarius.	1 26 50	face of each part?
22	Mond.	Schiller died, 1805.	21st. Moon in apogee.	1 26 50	Prob. 87.—The paral-
23	Tuesd.	Abdication of James II. 1688.	Jupiter South, 5.54 Ev.	1 26 50	lel sides of a trapezoid
24	Wed.	Treaty of Ghent, 1814.	Jupiter in Pisces.	1 26 49	are 6 and 8 feet, and its
25	Thur.	Christmas.		1 26 49	height is 5 feet. If it
26	Friday	*St. Stephen.*	Venus South, 2.47 Ev.	1 26 49	revolve about the per-
27	Satur.	Riots at Kingston Jamaica, 1841.	Moon near Mercury.	1 26 49	pendicular that bisects
28	SUND.	*1st Sunday after Christmas.*	Mars near Venus.	1 26 49	the parallel sides, what
29	Mond.	Lord Stafford beheaded, 1689.	Jupiter South, 5.33 Ev.	1 26 49	will be the surface and
30	Tuesd.	Order of Jesuits established, 1535.	Moon n'r Venus & Mars	1 26 49	solidity of the solid thus
31	Wed.	*St. Sylvester.*	Saturn ☌ Sun.	1 26 49	made?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 44.—Let $29=a$, 10 and 10-41ths$=b$; then the sides required$=\frac{1}{2}\left\{b\pm\sqrt{(a^2+b^2)}\pm \text{ or } \mp \sqrt{\left\{\frac{1}{4}a^2-\frac{1}{2}b^2\mp\frac{1}{2}b\sqrt{(a^2+b^2)}\right\}}\right.=21$ or 20. Ans.

Ex. 45.— $x=4.016698$; $y=2.825716$. Ans.

Ex. 46.—Let $10=a$, then the diameter$=$1-5th $a\sqrt{(50+10\sqrt{5})}=17.013$. Ans.

Ex. 47.—Let $17=2a$, then $8\frac{1}{2}=a$; and diameter of circle$=3.28976=b$. Then $4ax^2-bx^3=4ab^2$, in which the base$=x=4.27612$. The other sides$=8.19412$ each, and the angles$=30°32'$, and $74°44'$, and $74°44'$. Ans.

Note.—We think the question will allow of several answers.

Ex. 48.—Let $20=a$, $97=b$, then the legs will$=a+\frac{1}{2}b\pm$ or $\mp\frac{1}{2}\sqrt{(b^2-4ab-4a^2)}=72$ or 65. Ans.

Ex. 49.—Let $4\sqrt{3}=a$, then the side of the required inscribed triangle$=\frac{1}{2}a\sqrt{3}=6$, and of the circumscribed$=a\sqrt{3}=12$. Ans.

Ex. 50.—Let $137=a$, $111=b$, $124=c$, then the radius required$=\frac{1}{2}\sqrt{\left\{\left((b+c-a)(a-b+c)(a+b-c)\right)\div(a+b+c)\right\}}=35$. Ans.

Ex. 51.—Let $8=a$, $6=b$, $7=c$, $x=$radius required; then $x^3+x^2\left(\frac{ab}{2c}+\frac{ac}{2b}+\frac{bc}{2a}\right)=\frac{1}{2}abc$, from which we find $x=3.443963$. The sides are 11.01, 12.13644, and 13.31718. Ans.

Note.—Will some one favor us with full formulæ for this problem?

Ex. 52.—Let $29=a$, $b=\sqrt{29}(2\sqrt{2}-3)$, and $x=$one of the lines, and $y=$the other, then $x=\frac{1}{2}b\pm\sqrt{\left\{(a^2-b^2)\div(2+\sqrt{2})+\frac{1}{4}b2\right\}}$ and $y=\sqrt{\left\{(a^2-b^2)\div(2+\sqrt{2})+\frac{1}{4}b^2\right\}}-\frac{1}{2}b$.

Now put $m=x$, and $n=y$, then radius of circle$=\sqrt{\left\{m^2-(a^2+m^2-n^2)\div4a^2\right\}}=6$, from whence the sides are easily determined. They are 21 and 20. Ans.

Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
First Quarter ...	4	10 9 ev	10 41 ev
Full Moon	11	2 56 ev	3 28 ev
Last Quarter ...	19	1 26 mo	1 59 mo
New Moon	27	3 28 mo	4 0 mo
Perigee.....	9	5 51 mo	6 23 mo
Apogee.....	21	0 27 mo	0 59 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredrict'n Beg. A. M.	Fredrict'n End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	5 32	6 7	5 29	6 10	5 34	6 5	5 37	6 4	5 30	6 3
10	5 40	6 7	5 41	6 5	5 42	6 4	5 43	6 3	5 43	6 2
20	5 46	6 10	5 47	6 9	5 48	6 7	5 50	6 6	5 51	6 5
30	5 50	6 16	5 51	6 15	5 53	6 13	5 55	6 11	5 55	6 11

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupit'r South Even.	Saturn South Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mar's Decl. South	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	2 17	3 8	7 16	2 16	249 46	16 32	19 0	19 52	0 0	6 56	24 36	22 21	1 34	22 13
7 ...	2 25	3 4	6 53	1 50	255 52	16 59	19 32	20 11	0 1	6 55	23 44	21 23	1 27	22 16
13 ...	2 33	3 0	6 31	1 25	261 58	17 25	20 3	20 31	1 2	6 53	22 27	20 10	1 17	22 18
19 ...	2 40	2 56	6 9	0 59	268 4	17 52	20 34	20 56	0 4	6 51	20 47	19 1	1 5	22 21
25 ...	2 46	2 51	5 47	0 34	274 11	18 18	21 4	21 9	0 6	6 49	18 47	17 40	0 50	22 25
30 ...	2 51	2 46	5 26	0 08	279 17	18 45	21 33	21 24	0 8	6 47	16 28	16 20	0 32	22 28

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Evening.	Shadow at Noon Mark. Morning.	Mn's Age Noon.	Moon South Even.	Moon's Place at 7 P. M.	Sun's Declination South.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Mond.	336	7 16	4 23	7 55	7 28	4 10	7 46	8 22 54	11 49 29	4.1	3 25	♑ 1	21 55 59
2	Tuesd.	337	7 17	4 22	9 8	7 29	4 10	9 1	8 18 59	11 49 52	5.1	4 18	do. 14	22 4 49
3	Wed.	338	7 18	4 22	10 23	7 30	4 10	10 18	8 15 1	11 50 16	6.1	5 9	do 28	22 13 13
4	Thurs.	339	7 19	4 22	11 37	7 31	4 10	11 35	8 11 4	11 50 41	7.1	5 57	♒ 11	22 21 11
5	Friday	340	7 20	4 22	Morn	7 32	4 10	Morn	8 7 8	11 51 6	8.1	6 45	do. 25	22 28 44
6	Satur.	341	7 21	4 22	52	7 33	4 10	51	8 3 12	11 51 32	9.1	7 33	♓ 9	22 35 49
7	SUND.	342	7 22	4 22	2 6	7 34	4 10	2 8	7 59 17	11 51 58	10.1	8 22	do. 24	22 42 28
8	Mond.	343	7 23	4 22	3 23	7 35	4 10	3 27	7 55 18	11 52 24	11.1	9 15	♈ 8	22 48 41
9	Tuesd.	344	7 24	4 21	4 41	7 36	4 10	4 48	7 51 22	11 52 51	12.1	10 11	do. 23	22 54 26
10	Wed.	345	7 25	4 21	6 2	7 37	4 10	6 11	7 47 25	11 53 19	13.1	11 12	♉ 8	22 59 44
11	Thur.	346	7 26	4 21	Rises	7 38	4 10	Rises	7 43 29	11 53 47	14.1	Morn	do. 22	23 4 35
12	Friday	347	7 27	4 22	5 3	7 38	4 10	4 51	7 39 32	11 54 15	15.1	0 10	♊ 7	23 8 59
13	Satur.	348	7 28	4 22	6 9	7 39	4 10	5 57	7 35 35	11 54 43	16.1	1 19	do. 21	23 12 55
14	SUND.	349	7 28	4 22	7 21	7 40	4 10	7 12	7 31 39	11 55 12	17.1	2 18	♋ 4	23 16 23
15	Mond.	350	7 29	4 22	8 33	7 40	4 10	8 25	7 27 42	11 55 41	18.1	3 13	do. 17	23 19 23
16	Tuesd.	351	7 30	4 22	9 39	7 41	4 10	9 34	7 23 45	11 56 10	19.1	4 2	do. 30	23 21 56
17	Wed.	352	7 30	4 23	10 44	7 42	4 10	10 42	7 19 49	11 56 40	20.1	4 47	♌ 12	23 24 0
18	Thur.	353	7 31	4 23	11 45	7 43	4 11	11 45	7 15 52	11 57 9	21.1	5 29	do. 24	23 25 36
19	Friday	354	7 32	4 23	Morn	7 43	4 11	Morn	7 11 56	11 57 39	22.1	6 8	♍ 6	23 26 44
20	Satur.	355	7 32	4 24	46	7 44	4 11	46	7 7 59	11 58 9	23.1	6 47	do. 18	23 27 24
21	SUND.	356	7 33	4 24	1 48	7 45	4 11	1 52	7 4 2	11 58 39	24.1	7 27	do. 30	23 27 35
22	Mond.	357	7 33	4 25	2 52	7 46	4 12	2 57	7 0 6	11 59 9	25.1	8 8	♎ 13	23 27 18
23	Tuesd.	358	7 33	4 25	3 56	7 46	4 13	4 4	6 56 9	11 59 39	26.1	8 52	do. 24	23 26 33
24	Wed.	359	7 34	4 26	5 4	7 46	4 14	5 13	6 52 12	Evening.	27.1	9 39	♏ 6	23 25 19
25	Thur.	360	7 34	4 26	6 12	7 46	4 14	6 22	6 48 16	12 0 46	28.1	10 31	do. 18	23 23 38
26	Friday	361	7 35	4 27	7 16	7 46	4 14	7 28	6 44 19	12 1 9	29.1	11 26	♐ 1	23 21 27
27	Satur.	362	7 35	4 28	Sets.	7 46	4 16	Sets.	6 40 22	12 1 39	0.3	Ev. 23	do. 14	23 18 49
28	SUND.	363	7 35	4 29	5 44	7 47	4 17	5 33	6 36 25	12 2 9	1.3	1 19	do. 27	23 15 42
29	Mond.	364	7 35	4 29	6 59	7 47	4 17	6 40	6 32 29	12 2 38	2.3	2 14	♑ 11	23 12 8
30	Tuesd.	365	7 36	4 30	8 14	7 48	4 18	8 8	6 28 33	12 3 7	3.3	3 6	do. 24	23 8 5
31	Wed.	366	7 36	4 31	9 29	7 48	4 19	9 25	6 24 35	12 3 36	4.3	3 55	♒ 8	23 3 34

PROB. 88.—The diameter at the top of a round tin-measure is 4 inches and at the bottom 10 inches; its height is 4 inches. If it be filled with water, and then it be poured out until the bottom appears, what will be the convex surface and solidity of the water left in, and of the empty space.

PROB. 89.—Required the surface and solidity of a solid bounded by eight equilateral triangles each side of which is 8 feet.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

MADE AT THE

Magnetical Observatory Toronto, Canada West,

FROM 1840 TO 1855 INCLUSIVE.

Calculated and arranged from the original observations and private memoranda, by Serj. JAMES WALKER, Royal Artillery.

Year.	Month.	Temperature. Mean.	Max.	Min.	Range.	Warmest Day. Date.	Temp.	Coldest Day. Date.	Temp.	Rain in inches.	No. days Rain.	No. days Snow.
		°	°	°	°		°		°			
1840.	Jan.	17.7	36.7	-18.6	55.3	10	32.10	16	-3.85	1.395	4	11
	Feb.	29.0	50.3	-10.5	60.8	26	43.35	4	3.30	1.475	8	6
	Mar.	33.4	58.6	9.2	49.4	4	44.20	11	20.60	1.640	8	8
	April	42.7	68.7	22.8	45.9	25	60.30	7	31.30	3.420	14	2
	May	54.2	76.4	31.2	45.2	28	76.60	9	41.90	4.150	9	...
	June	60.3	79.9	36.7	43.2	29	70.70	8	50.70	4.860	11	...
	July	66.3	82.3	47.0	35.3	16	73.10	2	57.70	5.270	6	...
	Aug.	65.1	82.4	47.7	34.7	22	73.00	15	56.80	2.905	12	...
	Sept.	54.4	73.6	30.2	43.4	15	62.50	21	40.40	1.380	4	...
	Oct.	44.9	73.0	23.0	50.0	2	60.10	26	30.60	1.860	13	3
	Nov.	36.0	56.8	19.0	37.8	4	47.00	27	27.70	1.220	5	8
	Dec.	24.8	42.1	-8.6	50.7	10	37.90	18	10.40	0.000	3	18
	Sum or Mean	44.07	Aug 82.4	Jan —° 18.6	45.97	July 16	73.10	June 16	—° 3.85	29.575	97	56
1841.	Jan.	25.5	42.3	-6.4	48.7	7	38.60	4	7.30	2.150	2	14
	Feb.	23.2	44.1	-1.3	45.4	22	35.50	11	6.70	0.000	1	9
	Mar.	28.2	54.6	-6.7	61.3	20	45.10	15	11.80	1.170	5	7
	April	39.4	64.8	19.9	44.9	26	52.40	10	28.60	1.370	3	3
	May	51.1	78.0	26.5	51.5	24	74.10	3	32.60	2.350	11	1
	June	66.0	93.1	45.3	47.8	29	77.00	12	55.60	1.560	9	...
	July	65.5	89.0	39.9	49.1	23	75.20	30	58.40	8.150	10	...
	Aug.	64.6	84.8	45.7	39.1	17	70.40	21	59.90	6.170	9	...
	Sept.	61.5	80.2	37.7	42.5	9	70.42	27	47.82	3.340	9	...
	Oct.	41.8	59.7	20.6	39.1	11	50.90	25	28.83	1.360	6	2
	Nov.	35.4	43.8	8.5	55.3	1	54.75	29	19.95	2.450	8	5
	Dec.	29.9	46.1	3.1	43.0	14	41.95	21	11.12	6.690	7	5
	Sum or Mean	44.34	Jun 93.1	Mar —° 6.7	47.31	June 29	77.00	Feb. 11	6.70	36.670	80	46
1842.	Jan.	27.8	49.4	1.9	47.5	29	41.23	3	11.82	2.170	5	9
	Feb.	27.9	50.2	2.9	47.3	3	43.02	17	11.03	3.625	8	9
	Mar.	36.3	70.3	15.1	55.2	30	47.47	12	24.70	3.150	4	8
	April	43.4	89.8	20.1	69.7	22	63.45	1	31.53	3.740	8	2
	May	49.8	74.2	27.3	46.9	18	59.34	9	41.12	1.275	7	...
	June	56.4	76.0	28.1	47.9	30	65.74	11	45.32	5.755	15	...
	July	64.7	91.0	42.5	48.5	26	73.94	6	55.85	3.050	4	...
	Aug.	65.9	81.8	43.9	37.9	25	72.68	1	57.92	2.500	6	...
	Sept.	55.6	82.6	27.9	54.7	1	72.85	22	36.66	6.160	12	...
	Oct.	45.3	68.6	27.5	41.1	7	56.93	20	37.27	5.175	8	...
	Nov.	33.2	56.8	8.1	48.7	1	45.74	28	19.93	5.310	9	10
	Dec.	25.8	40.5	4.1	36.4	2	34.74	22	9.57	0.880	3	17
	Sum or Mean	44.34	J'ly 91.0	Jan 1.9	48.48	July 26	73.94	Dec. 22	9.57	42.790	89	55
1843.	Jan.	28.76	55.4	1.8	53.6	21	40.78	3	11.67	4.295	6	12
	Feb.	15.92	38.5	-9.4	47.9	10	28.54	16	4.96	0.475	1	21
	Mar.	22.36	39.9	-2.5	42.4	10	32.52	2	12.45	0.625	2	18
	April	41.29	71.6	14.7	56.9	28	55.48	1	26.12	3.185	7	3
	May	49.73	79.8	29.2	50.6	15	63.10	1	38.61	1.570	5	...
	June	58.94	83.3	28.2	55.1	27	71.68	1	40.32	4.595	12	...
	July	64.58	86.8	38.7	48.1	18	72.28	11	55.81	4.605	8	...
	Aug.	66.49	83.1	44.0	39.1	31	74.01	1	59.16	4.850	4	...
	Sept.	58.98	89.0	32.2	56.8	2	74.11	27	40.92	9.760	10	...
	Oct.	41.92	68.0	24.2	43.8	6	56.72	27	31.17	3.790	12	4
	Nov.	33.25	52.6	14.1	38.5	24	39.95	27	20.95	4.765	10	7
	Dec.	30.83	48.5	3.1	45.4	26	37.53	12	12.55	1.040	6	8
	Sum or Mean	42.75	Sept 89.0	Feb. —° 9.4	48.18	Sept. 2	74.11	Feb. 16	4.96	43.555	83	73

Year.	Month.	Temperature. Mean.	Max.	Min.	Range.	Warmest Day. Date.	Temp.	Coldest Day. Date.	Temp.	Rain in inches.	No. days Rain.	No. days Snow.
		°	°	°	°		°		°			
1844.	Jan.	20.67	45.3	-7.2	52.5	16	37.45	25	0.28	3.005	7	11
	Feb.	27.72	47.9	0.6	47.3	20	38.33	9	12.04	0.430	4	7
	Mar.	31.83	50.8	9.6	41.2	1	40.90	18	16.63	2.470	8	8
	April	48.11	74.6	14.9	59.7	13	59.08	1	32.79	1.515	10	1
	May	54.22	78.4	28.7	49.7	25	65.88	21	40.87	5.070	14	...
	June	60.41	83.3	33.2	50.1	18	70.62	10	49.71	3.535	9	...
	July	66.08	86.6	40.1	46.5	31	72.75	4	56.05	2.815	12	...
	Aug.	61.16	86.8	43.5	43.3	16	71.30	27	57.49	...	17	...
	Sept.	58.47	81.8	28.2	53.6	20	70.06	27	10.57	...	4	...
	Oct.	43.66	71.6	15.9	55.7	9	55.21	28	28.40	1.245	7	4
	Nov.	34.92	56.0	12.1	43.9	7	43.30	27	17.42	...	8	4
	Dec.	28.93	48.5	1.6	46.9	6	35.84	17	17.96	...	6	6
	Sum or Mean	44.68	Aug 86.8	Jan. —° 7.2	49.20	July 31	72.75	June 25	0.28	Imper feet.	106	41
1845.	Jan.	26.68	45.7	-0.2	45.9	3	37.58	31	7.36	...	5	9
	Feb.	26.45	49.1	-4.2	53.3	25	42.64	1	7.02	...	5	9
	Mar.	35.68	59.8	6.6	53.2	31	54.68	15	20.65	...	5	8
	April	42.13	66.7	15.5	51.2	24	56.30	7	24.70	3.290	11	4
	May	50.23	77.8	27.8	50.0	12	65.01	29	37.26	2.300	8	...
	June	61.32	84.6	39.6	45.0	9	69.77	6	52.00	3.715	11	...
	July	66.74	95.0	45.7	49.3	12	82.32	30	55.95	2.495	7	...
	Aug.	67.86	84.8	41.5	43.3	9	73.16	1	59.58	1.725	9	...
	Sep.	55.91	79.6	34.0	45.6	3	67.62	21	48.10	6.245	16	...
	Oct.	46.49	64.0	19.7	44.3	10	57.65	21	28.50	1.760	11	1
	Nov.	36.45	59.5	7.6	51.9	18	50.25	28	13.84	1.105	7	4
	Dec.	21.49	39.7	-2.4	42.1	17	34.58	11	5.10	inapp.	2	12
	Sum or Mean	44.79	J'ly 95.0	Feb. —° 4.2	47.92	July 12	82.32	Dec. 11	5.10	Imper feet.	97	47
1846.	Jan.	26.10	44.0	-1.3	45.3	30	36.12	17	9.27	2.335	5	10
	Feb.	20.80	41.9	-16.7	58.6	5	35.09	20	-3.68	none	0	13
	Mar.	33.43	49.6	7.8	41.8	12	39.79	2	17.11	1.965	9	5
	April	44.11	81.8	24.2	57.6	21	57.78	13	31.24	1.300	10	2
	May	55.77	79.7	33.1	46.6	27	68.08	11	41.70	4.375	9	...
	June	63.82	84.2	39.1	45.1	30	73.05	6	51.64	1.920	10	...
	July	68.22	94.6	44.5	50.1	10	78.82	14	56.47	2.895	9	...
	Aug.	68.41	86.4	49.5	36.9	5	78.67	18	57.44	1.770	9	...
	Sept.	63.41	84.3	37.3	47.0	2	74.85	26	57.51	4.595	11	...
	Oct.	44.81	70.1	20.7	49.4	7	63.58	22	30.61	4.180	14	2
	Nov.	40.82	55.7	18.0	37.7	10	52.41	25	20.35	5.805	12	2
	Dec.	27.64	49.4	3.9	45.5	2	40.91	15	15.64	1.215	5	9
	Sum or Mean	46.44	J'ly 94.6	Feb. —° 16.7	46.80	July 10	78.82	Feb. 26	—° 3.68	32.355	103	43
1847.	Jan.	22.87	42.9	-2.9	45.8	15	39.70	21	5.07	2.135	7	5
	Feb.	22.48	41.1	-0.9	42.0	2	37.65	23	6.60	0.550	2	13
	Mar.	26.25	43.9	5.4	38.5	25	37.13	11	15.41	0.850	5	6
	April	39.06	65.1	9.3	55.8	21	55.05	1	28.12	2.870	8	2
	May	54.55	72.1	26.7	45.4	28	62.44	1	39.90	2.040	12	...
	June	58.13	77.8	36.0	41.8	20	69.88	14	45.70	2.625	14	...
	July	67.62	87.0	43.2	43.8	19	76.86	26	53.97	3.355	8	...
	Aug.	63.93	82.6	44.6	38.0	16	72.77	31	54.06	2.140	10	...
	Sept.	54.91	74.5	35.0	39.5	8	64.37	14	15.43	6.665	15	...
	Oct.	43.71	64.6	20.2	44.4	5	59.13	26	26.24	4.390	13	2
	Nov.	38.04	57.9	8.4	49.5	2	51.45	29	13.89	3.155	14	3
	Dec.	30.02	49.6	-0.3	49.9	31	43.43	20	12.29	1.185	7	8
	Sum or Mean	43.46	J'ly 87.0	Jan. —° 2.9	44.53	July 19	76.86	Feb. 23	6.60	31.960	115	39

Year.	Month.	Temperature. Mean.	Max.	Min.	Range.	Warmest Day. Date.	Temp.	Coldest Day. Date.	Temp.	Rain in inches.	No. days Rain.	No. days Snow.
		°	°	°	°		°		°			
1848.	Jan.	27.41	51.1	-11.4	62.5	1	41.27	10	-4.50	2.245	7	8
	Feb.	26.28	46.6	0.0	46.6	21	38.02	11	10.88	0.775	4	8
	Mar.	28.68	61.6	0.0	61.6	31	46.55	14	9.80	1.220	5	6
	April	40.67	65.1	22.7	42.4	10	54.35	18	29.70	1.455	5	1
	May	53.74	78.0	31.2	46.8	20	63.13	13	30.96	2.520	15	...
	June	62.51	92.0	37.4	54.6	15	77.43	12	49.21	1.810	8	...
	July	65.37	82.2	44.1	38.1	20	73.47	1	51.70	1.890	10	...
	Aug.	68.34	87.0	48.7	38.3	14	76.65	1	61.10	0.855	8	...
	Sept.	53.39	80.4	28.1	52.3	4	68.90	20	38.00	3.115	11	...
	Oct.	46.38	61.8	24.5	37.3	16	57.00	18	34.15	1.550	11	...
	Nov.	33.61	49.0	15.9	33.1	4	42.27	9	21.78	2.020	9	3
	Dec.	29.12	48.8	-1.1	49.9	8	42.20	22	10.15	2.750	7	7
	Sum or Mean	44.63	92.0	Jan. —° 11.4	46.96	Aug. 15	77.42	Jan. 10	—° 4.50	22.205	98	33
1849.	Jan.	18.49	39.5	-14.2	53.7	25	35.61	11	-2.10	1.175	4	10
	Feb.	29.09	40.6	-9.8	50.4	28	36.50	15	2.67	0.240	2	13
	Mar.	33.24	53.0	15.1	37.9	30	41.11	3	20.67	1.525	7	2
	April	38.74	72.0	15.5	56.5	30	49.66	14	24.23	2.655	10	2
	May	48.50	72.2	27.9	44.3	21	57.17	2	39.25	5.115	16	...
	June	63.01	84.4	35.2	49.2	21	74.60	5	52.77	2.020	7	...
	July	67.82	88.6	47.3	41.3	12	78.27	31	59.25	3.415	4	...
	Aug.	65.08	79.0	45.2	33.8	30	70.37	31	56.68	4.970	10	...
	Sept.	57.04	80.1	32.7	47.4	5	68.37	27	45.18	1.480	9	...
	Oct.	44.94	58.9	25.2	33.7	16	54.07	31	28.71	5.965	13	1
	Nov.	41.87	56.4	24.2	32.2	5	53.46	28	29.70	2.817	10	2
	Dec.	26.56	40.8	-6.5	47.3	20	37.11	26	12.43	0.840	5	12
	Sum or Mean	43.70	88.6	Jan. —° 14.2	43.97	Aug. 12	78.27	Jan. 11	—° 2.10	32.215	97	42
1850.	Jan.	20.26	46.4	9.9	36.5	25	37.20	14	17.88	1.250	5	8
	Feb.	26.58	49.6	1.2	48.4	26	38.82	4	7.52	1.235	7	9
	Mar.	29.73	46.5	7.2	39.3	14	39.08	20	19.01	0.745	2	7
	April	38.50	65.7	18.0	47.7	27	53.08	8	25.83	4.720	7	2
	May	48.61	77.8	27.5	50.3	28	64.05	20	37.02	0.545	7	1
	June	64.86	85.6	34.2	51.4	19	73.35	1	53.12	3.345	10	...
	July	69.04	86.2	51.6	34.6	24	75.58	26	60.10	5.270	12	...
	Aug.	66.55	85.0	41.0	44.0	7	73.80	27	55.06	4.355	13	...
	Sept.	56.54	76.0	29.5	46.5	23	67.48	30	46.20	1.735	11	...
	Oct.	45.60	66.7	22.4	44.3	17	55.49	29	33.37	2.085	10	...
	Nov.	38.77	62.8	11.0	51.8	5	54.82	22	27.53	2.955	7	1
	Dec.	22.75	48.8	-9.0	57.8	3	40.01	30	8.22	0.190	2	18
	Sum or Mean	44.72	86.2	J'ly Dec. —° 9.0	46.05	Aug. 24	75.58	Feb. 4	7.52	28.430	93	46
1851.	Jan.	25.82	43.4	-12.8	56.2	9	37.87	30	-1.25	1.275	4	10
	Feb.	28.42	50.2	1.2	49.0	20	38.48	6	10.75	2.600	7	4
	Mar.	33.14	59.3	12.0	47.3	27	52.26	3	22.16	0.770	3	9
	April	41.67	59.3	25.8	33.5	24	50.22	11	31.81	2.295	11	3
	May	52.48	73.3	28.0	45.3	13	61.35	2	37.53	2.950	12	1
	June	59.84	79.2	37.0	42.2	26	68.45	3	50.97	2.695	11	...
	July	65.55	82.7	46.5	36.2	17	73.43	3	57.75	3.625	12	...
	Aug.	63.71	79.8	42.1	37.7	7	69.73	27	55.60	1.360	10	...
	Sept.	60.08	86.3	32.0	54.3	12	75.48	24	43.52	2.665	9	...
	Oct.	47.83	66.2	25.2	41.0	11	57.80	27	32.22	1.680	10	2
	Nov.	32.80	50.2	13.8	36.4	1	44.42	11	24.08	3.885	5	6
	Dec.	21.58	44.0	-14.8	58.8	30	39.35	26	0.83	1.075	6	15
	Sum or Mean	44.41	86.3	Sept Dec. —° 14.8	44.83	July 12	75.48	Jan. 30	—° 1.25	26.875	106	50

Year.	Month.	Temperature. Mean.	Max.	Min.	Range.	Warmest Day. Date.	Temp.	Coldest Day. Date.	Temp.	Rain in inches.	No. days Rain.	No. days Snow.
		°	°	°	°		°		°			
1852.	Jan.	18.54	37.3	-10.6	47.9	29	34.58	9	0.85	0.600	6	19
	Feb.	23.82	41.2	-6.2	47.4	4	37.30	12	2.75	0.450	3	11
	Mar.	27.79	44.8	-6.0	50.8	13	39.99	2	12.70	3.080	8	12
	April	38.29	53.8	20.0	33.8	21	47.58	3	27.18	1.990	6	4
	May	51.67	73.3	32.0	41.3	21	61.82	9	41.18	1.125	7	1
	June	60.88	86.1	37.2	48.9	15	71.33	10	48.10	3.160	10	...
	July	66.68	90.1	48.5	41.6	21	76.72	31	56.47	4.025	8	...
	Aug.	65.35	81.2	45.8	35.4	3	72.92	2	57.58	2.695	9	...
	Sept.	56.92	81.8	35.8	46.0	2	71.53	30	44.07	3.630	10	...
	Oct.	48.09	70.7	23.8	46.9	2	59.57	16	36.58	5.280	12	...
	Nov.	35.80	50.4	18.2	32.2	1	43.97	21	25.65	1.775	7	3
	Dec.	32.27	51.0	13.2	37.8	7	47.65	21	16.72	3.905	7	10
	Sum or Mean	43.84	90.1	Jan. J'ly —° 10.6	42.50	July 21	76.72	Jan. 9	—° 0.85	31.405	87	60
1853.	Jan.	22.98	40.9	-9.7	50.6	11	32.55	2	3.72	0.295	1	6
	Feb.	24.66	43.4	-1.4	44.8	4	37.58	7	11.20	1.065	4	15
	Mar.	30.65	56.3	-0.1	56.4	30	43.95	17	12.65	1.080	6	8
	April	41.92	65.7	25.0	40.7	28	57.05	14	33.37	2.025	10	1
	May	50.87	78.4	32.2	46.2	28	65.07	19	41.23	4.420	17	1
	June	65.49	89.5	39.2	50.3	14	75.22	22	51.48	1.550	9	...
	July	65.60	91.3	41.6	49.7	4	72.67	9	58.57	0.915	10	...
	Aug.	68.61	94.9	42.5	52.4	12	79.83	2	66.65	2.575	11	...
	Sept.	58.81	85.5	33.9	51.6	5	75.22	9	42.30	5.140	12	...
	Oct.	44.40	64.7	23.4	41.3	4	57.07	29	32.70	0.875	10	2
	Nov.	38.68	55.6	12.8	42.8	19	52.20	24	30.25	2.425	15	6
	Dec.	25.32	46.4	-8.4	54.8	12	37.00	2	2.42	0.625	4	13
	Sum or Mean	44.78	94.9	Aug. Jan. —° 9.7	48.47	July 12	79.83	Feb. 2	2.42	23.550	109	52
1854.	Jan.	23.57	46.4	-5.4	51.8	4	39.42	28	1.58	1.270	7	11
	Feb.	21.09	42.8	-10.8	53.6	1	37.12	2	4.62	1.460	5	15
	Mar.	30.68	55.1	7.4	47.7	13	44.00	28	17.17	2.425	9	3
	April	41.04	65.1	20.2	44.9	25	54.15	1	32.50	2.685	12	4
	May	52.20	71.4	25.2	46.2	13	62.43	6	33.63	4.630	11	...
	June	64.12	92.5	35.2	57.3	26	75.67	8	53.60	1.460	9	...
	July	72.47	98.0	42.5	55.5	3	81.32	22	61.98	4.865	9	...
	Aug.	68.03	99.2	45.6	53.6	24	80.43	17	58.60	0.455	5	...
	Sept.	61.04	93.6	35.8	57.8	5	77.92	9	48.52	5.575	14	...
	Oct.	49.52	75.4	26.4	49.0	7	61.48	19	35.78	1.495	15	3
	Nov.	36.84	55.4	13.8	41.6	24	48.05	3	20.77	1.115	13	4
	Dec.	21.88	44.8	-7.0	51.8	15	38.28	19	2.02	0.590	5	12
	Sum or Mean	45.21	99.2	Aug. Feb. —° 10.8	50.90	July 3	81.32	Jan. 28	1.58	27.765	114	52
1855.	Jan.	25.95	49.0	-5.4	54.4	6	41.87	23	9.95	0.525	5	13
	Feb.	15.41	39.0	-25.4	64.4	14	34.83	6	-14.38	1.770	2	14
	Mar.	28.46	49.4	-2.9	52.3	31	39.82	24	17.17	1.485	5	11
	April	42.43	69.4	10.7	58.7	19	55.02	2	22.10	2.030	8	3
	May	53.07	77.5	33.0	44.5	31	60.25	8	37.68	2.565	6	2
	June	59.93	91.5	36.2	55.3	29	78.72	11	48.67	4.070	17	...
	July	67.95	92.8	49.2	43.6	19	79.45	7	59.93	3.245	15	...
	Aug.	64.06	83.5	40.0	43.5	3	74.07	27	52.95	1.455	7	...
	Sept.											
	Oct.											
	Nov.											
	Dec.											
	Sum or Mean											

PROVINCIAL OBSERVATORY TORONTO.

Latitude, 43°. 39′.4 North. Longitude, 79°. 21′. 5. West, or 5 hours, 17 minutes, 26 seconds Slow of Greenwich Time. Elevation above Lake Ontario, 108 feet. Approximate Elevation above the Sea, 342 feet.

The Provincial Observatory is now attached to the University of Toronto, and is in the charge of Prof. KINGSTON, and three Assistants.

TABLE OF SEMI-DIURNAL ARCS,

Calculated for the Principal Places in British North America.

Decl.	Toronto. N. 43° 39′.4.		Kingston. N. 40° 80′.0.		Halifax, N. S. N. 44°. 39′.3.		Montreal. N. 45° 31′.		Fredericton. N. 46° 3′.		Quebec. N. 46° 49′.2.	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
° ′	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
1 0	6 3-8	5 56-2	6 3-9	5 56-1	6 4-0	5 56-0	6 4-1	5 55-9	6 4-1	5 55-9	6 4-3	5 55-7
2 0	6 7-6	5 52-4	6 7-7	5 52-3	6 7-9	5 52-1	6 8-3	5 51-7	6 8-3	5 51-7	6 8-5	5 51-5
3 0	6 11-5	5 48-5	6 11-7	5 48-3	6 11-9	5 48-1	6 12-2	5 47-8	6 12-5	5 47-5	6 12-7	5 47-3
4 0	6 15-3	5 44-7	6 15-5	5 44-5	6 15-9	5 44-1	6 16-3	5 43-7	6 16-6	5 43-4	6 17-1	5 42-9
5 0	6 19-1	5 40-9	6 19-4	5 40-6	6 19-9	5 40-1	6 20-3	5 39-7	6 20-7	5 39-3	6 21-3	5 38-7
6 0	6 22-9	5 37-1	6 23-3	5 36-7	6 23-8	5 36-2	6 24-4	5 35-6	6 24-9	5 35-1	6 25-6	5 34-4
7 0	6 26-7	5 33-3	6 27-2	5 32-8	6 27-8	5 32-2	6 28-5	5 31-5	6 29-1	5 30-9	6 29-8	5 30-2
8 0	6 30-5	5 29-5	6 31-1	5 28-9	6 31-8	5 28-2	6 32-6	5 27-4	6 33-1	5 26-9	6 34-1	5 25-9
9 0	6 34-8	5 25-2	6 35-3	5 24-7	6 36-2	5 23-8	6 27-1	5 22-9	6 37-9	5 22-1	6 38-9	5 21-1
10 0	6 38-7	5 21-3	6 39-4	5 20-6	6 40-3	5 19-7	6 41-4	5 18-6	6 42-2	5 17-8	6 43-3	5 16-7
11 0	6 42-7	5 17-3	6 43-5	5 16-5	6 44-5	5 15-5	6 45-7	5 14-3	6 46-5	5 13-5	6 47-8	5 12-2
12 0	6 46-8	5 13-2	6 47-6	5 12-4	6 48-2	5 11-8	6 50-0	5 10-0	6 50-9	5 9-1	6 52-4	5 7-6
13 0	6 51-0	5 9-0	6 51-8	5 8-2	6 53-0	5 7-0	6 54-4	5 5-6	6 55-4	5 4-6	6 56-3	5 3-7
14 0	6 55-1	5 4-9	6 56-0	5 4-0	6 57-4	5 2-6	6 58-8	5 1-2	6 59-9	5 0-1	7 1-6	4 58-4
15 0	6 59-2	5 0-8	7 0-2	4 59-8	7 1-7	4 58-3	7 3-2	4 56-8	7 4-5	4 55-5	7 6-3	4 53-7
16 0	7 3-6	4 56-4	7 4-7	4 55-3	7 6-2	4 53-8	7 7-9	4 52-1	7 9-2	4 50-8	7 11-4	4 48-6
17 0	7 8-0	4 52-0	7 9-0	4 51-0	7 10-7	4 49-3	7 12-6	4 47-4	7 14-1	4 45-9	7 16-0	4 41-0
18 0	7 12-3	4 47-7	7 13-5	4 46-5	7 15-4	4 44-6	7 17-3	4 42-7	7 18-7	4 41-3	7 21-0	4 39-0
19 0	7 16-7	4 43-3	7 18-1	4 41-9	7 20-1	4 36-9	7 22-0	4 38-0	7 23-7	4 36-3	7 26-1	4 33-0
20 0	7 21-2	4 38-8	7 22-6	4 37-4	7 24-8	4 35-2	7 26-9	4 33-1	7 28-5	4 31-5	7 31-3	4 28-7
21 0	7 26-0	4 34-0	7 27-5	4 32-5	7 29-7	4 30-3	7 32-1	4 27-9	7 34-0	4 26-0	7 36-6	4 23-9
22 0	7 30-7	4 29-3	7 32-3	4 27-7	7 34-7	4 25-3	7 37-2	4 22-8	7 39-1	4 20-9	7 41-7	4 18-3
23 0	7 35-6	4 24-4	7 37-3	4 22-7	7 39-8	4 20-2	7 42-4	4 17-6	7 44-5	4 15-5	7 47-6	4 12-4
24 0	7 40-4	4 19-6	7 42-3	4 17-7	7 44-9	4 15-1	7 47-8	4 12-2	7 50-0	4 10-0	7 53-4	4 6-6

ANSWERS TO THE EXAMPLES FOR 1855.

(*Concluded from page* 29.)

Ex. 53.—Let $245=b$, $120=p$, and $343=s$, x=difference of sides; then $x=b\sqrt{\left\{(s^2-b^2-4p^2)\div(s^2-b^2)\right\}}=5$. The sides are $\frac{1}{2}s\pm\frac{1}{2}b\sqrt{\left\{(s^2-b^2-4p^2(\div)s^2-b^2)\right\}}=169$, or 174. Ans.

Ex. 54.—Let $2\sqrt{5}=\frac{1}{2}a$, then the side of required square=1-5th $a\sqrt{5}=4$. Ans.

Ex. 55.—Let $72=a$, and perimeter$=360=p$. (The number 258 was wrong.) The sides$=\frac{1}{2}p(a+\frac{1}{2}p)\div(a+p)\pm$ or $\mp\frac{1}{2}p\sqrt{\left\{(a-\frac{1}{2}p)^2-2a^2\right\}}\div(a+p)=120$ or 90. Ans.

Sum of the legs$=p(a-\frac{1}{2}p)\div(a+p)=210$. Hypothenuse$=\frac{1}{2}p^2\div(a+p)=150$. An.

Ex. 56.—Let $9=a$, $12=b$, $15=c$, and x, y, and z, the required sides.

Then $x=\frac{2}{3}\sqrt{(2b^2+2c^2-a^2)}=17.088$. Ans.

$y=\frac{2}{3}\sqrt{(2a^2+2c^2-b^2)}=14.422$. Ans.

$z=\frac{2}{3}\sqrt{(2a^2+2b^2-c^2)}=10$. Ans.

Ex. 57.—Let $24=p$, $25=b$, $40=c$, $x=\frac{1}{2}$ base, then base$=2x=2\sqrt{(qn^2-nq^2+qp^2)}\div\sqrt{(n-q)}=200\sqrt{14}\div7=106.903$. Ans.

In this $n=\sqrt{(c^2-p^2)}=32$, and $q=\sqrt{(c^2-p^2)}-\sqrt{(b^2-p^2)}=25$.

Another side$=\sqrt{\left\{(n+x)^2+p^2\right\}}=88.756$. Ans.

A third side$=\sqrt{\left\{(x-n)^2+p^2\right\}}=32.188$. Ans.

Ex. 58.—Let $a=6$, $b=4$, $c=5$, $d=3$, and r=radius; then $\frac{1}{4}\sqrt{\left\{(ab+cd)(ac+bd)(ad+bc)\right\}}\div\sqrt{\left\{(s-a)(s-b)(s-c)(s-d)\right\}}=1\text{-}40\text{th}\sqrt{(17290)}=3.2875$. Ans.

$s=\frac{1}{2}(a+b+c+d)=9$.

Ex. 59.—Let $10=a$, $20=b$, $30=c$, $x=\frac{1}{2}$ side, then the side$=2x=\sqrt{\left(2(a^2+b^2+c^2)-2\sqrt{\left\{6(a^2b^2+b^2c^2+c^2a^2)-3(a^4+b^4+c^4)\right\}}\right)}=20\sqrt{7}=52.9150262$. Ans.

Note.—If the given point had been *within*, the + sign should have been used before the radical.

Remark.—Owing to the difficulty of putting mathematical formulæ in type, no doubt there will be obscurities and errors in the foregoing pages, but we trust due allowance will be made for such. Any errors we have pointed out to us we shall be thankful for. There is not another set of so extensive and useful formulæ published in the English language, that we are aware of, and we trust they may be acceptable to our friends. We have received a few problems for 1856 (but too late for insertion), which will appear next year. We request correspondents to *generalize* their solutions for 1856, as far as possible, by using or making literal formulæ, the answers then serve for all similar problems.

THE FUTURE OF WESTERN CANADA.

You are perhaps an immigrant from Europe, and have landed on the shores of Lake Ontario with a view to establish for yourself a new and permanent Canadian home. Like tens of thousands who seek and reach the banks of the St. Lawrence, or the region of the Great Lakes, you have no distinct idea of the country, its productions, its inhabitants, or its scenery. You are anxious to acquire some information which will enable you to shape an opinion as to the spot best adapted to meet your views and circumstances. If you could enjoy a birds-eye view of the country, and grasp distinctly many of its leading physical features, it would, doubtless, assist you in making choice of a suitable spot for a future home; although you would be wise enough, perhaps, not to be led by actual appearances altogether, but would resolve, after the first favourable impression had been produced, to discover whether the social and even political tendencies of the inhabitants were such as you could sympathize with and enjoy.

Place a map of Canada and of the Northern States of the Union before you, and accept me for a guide; if what you see and hear does not please or convince, you will only have to regret the loss of an hour's attention, which the most industrious can generally find time to spare.

We will select Toronto, the capital of Western Canada, as our starting point; and proceeding nearly due north by the Northern Railway, we shall arrive in three-and-a-half hours at Collingwood Harbour, in Georgian Bay, a part of Lake Huron. To our left are the Blue Mountains: let us ascend them until we attain an altitude of nearly 1,000 feet above Lake Huron, in the township of Euphrasia, and some ten miles from Collingwood Harbour. You are now standing on the highest land in that part of Western Canada which lies to the south of the distant, rugged, northern shores of Lake Huron. Our view is still circumscribed, and exhibits no other features beyond a blue expanse of water far to the north, and forest, forest, forest, all around us. From this elevated and central spot, however, we may contemplate with our mind's eye the whole expanse of Western Canada, and see throughout the short future of the next ten years to come, the wonderful changes which will have been worked out in the vast region at our feet. But where are the boundaries of Western Canada? where the mineral region? where the tamed agricultural region? and where the exhaustless timber region?

The boundary line of Upper Canada runs through the centre of all the great lakes and their junction rivers; so that starting from Pigeon River on Lake Superior, near its most westerly extremity, you may, with a steamboat, follow for more than a thousand miles, the imaginary line which separates Western Canada from the United States. Let us trace out this immense water communication and see how it invests the country on all sides. From Pigeon River, 1,900 miles from the Gulf of St. Lawrence, and 600 feet above the sea, we steam across Lake Superior, and reach the Sault Ste. Marie Canal, descend 17 feet through locks 70 feet broad and 350 feet long, pass on into Lake Huron and through the River St. Clair, Lake St. Clair and Detroit River, thus sweeping round the southern extremity of the great peninsula of Western Canada. On then through Lake Erie to the mouth of the Welland Canal; here we descend 350 feet through 27 locks, each 150 feet by 26½ feet, to the deep waters of Lake Ontario; then through the exquisite scenery of the thousand islands, until we arrive at the St. Lawrence Canals, through which we pass by means of 19 locks 200 feet long by 45 feet broad, letting us slowly down upwards of 150 feet to the level of the Ottawa, where it joins the mighty St. Lawrence. We have now reached the utmost eastern boundary of Western Canada, and must steam up the great river of the north, (Ottawa,) overcoming its rapids by means of locks, until we reach the City of Ottawa; and thus, without changing our steamer, we have traversed in the direction of two sides of a triangle, at least two-thirds of the boundary of Western Canada. But we may still progress up the noble north-eastern boundary, in steamer or canoe, until we reach Lake Tamiscamang. Here we have arrived at the height of land which separates the waters flowing into the Gulf of St. Lawrence from those which reach the Hudson's Bay. From Lake Tamiscamang to Pigeon River, an imaginary curved line, following pretty accurately the direction of the shores of Lakes Huron and Superior, forms the last link of the boundary of Western Canada. This vast region occupies an area of about 147,000 square miles, and extends over sixteen degrees of longitude and eight degrees of latitude.

We are now in latitude 44° 30′; and if we trace the continuation of this parallel through Western Canada we shall find to the south of it lying the great agricultural region, distinguished in a remarkable manner for the fertility of its soil, and the adaptation of its climate to the purposes of husbandry. Is there any reason for this arbitrary division you will ask. Yes, a great geological reason to account for its fertility, and a great climatological reason to account for its adaptation to vegetable growth.

1. The parallel of latitude before named, marks the northern limit of the sedimentary rocks in Western Canada; rocks which have been deposited at the bottom of ancient seas, and have in great part retained their flat surfaces undisturbed. Upon the level groundwork of these rocks have accumulated vast deposits of drift clays, which have been produced by the grinding up and slow decay of the granite rocks north of this parallel (44° 30′). The sedimentary rocks themselves consist of limestone and shale, giving rise after disintegration and decay, to abundance of those necessary components of soil which plants require for their nourishment and support.

2. The 44th parallel of latitude cuts off a peninsula portion from Western Canada, and you may extend the term peninsula to that entire part south of the parallel where we now stand. If we trace the 44th parallel through Europe, we shall find that it intersects the south of France and Tuscany, countries rich in olives, the cereals and the grape. The most southern portion of Western Canada is touched by the 42nd parallel, which, when continued through Europe, is found to intersect the northern part of Spain and the Roman States. Those vast inland seas, Huron, Erie, and Ontario, which almost encircle the peninsula portion of Western Canada, soften summer heat, temper winter cold, and preserve a moist atmosphere in which vegetables luxuriate. The adaptation of these conditions to secure the excellence we claim for Western Canada as an agricultural country, you will shortly better appreciate when we have completed our external survey, and travel southwards through the interior of the country.

North of the 44° 30′ parallel is a mixed mineral and timber region, where are millions of acres in the valleys of the tributaries of the Ottawa and the rivers flowing into Lake Huron, capable of yielding a rich harvest of lumber for a century to come. Now draw an imaginary air line from where we stand on the Blue Mountains, to the county of Essex, the most westerly portion of Western Canada. Let this line revolve about ourselves as a pivot, first to the left, until its extremity rests near Kingston, and then back again to the right, until it rests near the Bruce Mines. You see you have swept over nearly the whole of the agricultural region of Western Canada, with the exception of the Valley of the Ottawa before mentioned, occupying about 10,000 square miles. Now from the Bruce Mines, let your imaginary air line sweep over the country towards the north and east, until it again rests its extremity near Kingston. You have traversed the mixed mineral and lumber region; and beyond the Bruce Mines, all along the northern shore of Lake Huron and the northern shore of Lake Superior lies the great mineral region.

If we had leisure we might pause to reason upon the extraordinary difference which may arise in course of time, between the characters and social position of the future inhabitants of these diverse regions, but that is a speculation which coming events render difficult indeed.

We have now examined and traced out the boundaries of our country, let us proceed to establish our relationship to neighbouring States and Provinces which may influence our industrial or social position. North-east lies Eastern Canada, north-west the trackless regions of the Hudson's Bay Company's territories. Every other part of Western Canada is surrounded by the several States of the American Union. In order, proceeding from east to west, these are New York, Pennsylvania, Ohio, Michigan, Indiana, Illinois, Wisconsin and Minnesota. We lie like a wedge between them—New York, Pennsylvania and Ohio on one side, Michigan and Wisconsin on the other—our communication by water complete with all that have been mentioned, and with the ocean, without obstruction, by means of the St. Lawrence; or by numerous railroads and canals with the Atlantic seaboard. And herein lies our strength and the hopes of our future. Set aside the advantages of *position* in relation to the neighbouring States of the Union and the ocean, and the progress of this country would be like the slow, yet steady flow of the rivers which

glide to the south, compared with the tumultuous rush of those we see hurrying on to the north and west. And what use have we yet made of this great advantage of position? little indeed as yet; but the beginning has been auspiciously entered on, and this advantage will suddenly and convulsively increase to results which at the first glance appear too astonishing and overwhelming for belief. To our east lies a vast consuming country, incapable of satiety; from its circumstances incapable of supplying its own wants; and from a spirit, nay, a necessity of accumulation, always seeking, and instantly absorbing whatever we have to offer. To our south and west, and north-west, lies an equally vast producing country, capable of indefinite extension; and from a spirit of restless activity, and an unquenchable thirst for gain, always producing and setting in motion the accumulations of its industry to supply the necessities of the east, and receiving, as we do, in return, the varied results of mechanical skill. We lie between these extremes; the nearer they are brought to one another the greater gain to both, and the greater stimulant to both to pursue their incessant interchange of rude industry on the one hand and capital and skill on the other. We know how astonishingly the influence of rapid and uninterrupted communication between distant centres of industry is developing itself around us; to whatever country we look, examples without number start up before us in testimony of the life and vigour which is infused as soon as rapidity and perfect freedom of communication is established. Besides this great advantage of position, we have immediate and uncontrolled communication with the sea, the highway of nations. When the east or the west fails us, or are temporarily incapable of relieving us of surplus productions, we can always find ourselves in a better position than our western neighbour, because we are nearer to the markets abroad. And lastly, may we not look upon resources within ourselves? Have we not the power of increasing tenfold the products of our mines, our forests, and our farms.

The relation of our country to the North-Western and Western States of the Union is most remarkable; and in order to understand this important question in its wide extent, you must familiarize yourself with a few general truths which a little quiet reflection will render almost self-evident. What has led to the construction of the Sault Ste. Marie Canal. You will answer, the great mining region of Lake Superior—copper in inexhaustable abundance, and iron distributed in mountain masses, not only on the shores of that cold fresh-water sea, but profusely scattered throughout northern Michigan and Wisconsin! Think you that the vast demand for iron in the new North-Western States will allow those rich mines of metal to remain idle. Will it be cheaper to bring the coal of Ohio and Illinois to Chicago, Milwaukee, Superior City, or take the ore to the Eastern States, smelt it, manufacture it, and then send it back again to the far west. No—the region of the great lakes will manufacture its own railroad iron as soon as speedy and cheap means of communication are opened out and maintained. From Chicago or Milwaukee to the mining region of Lake Superior, a railroad is now contemplated, and a few months on this continent will teach you that to "contemplate" in such matters signifies "to construct." From Milwaukee to Copper-range is about 350 miles, part of the line runs through the richest iron region; and when all things are dependant upon iron, the south shore of Lake Superior must soon find that population and industry for which it is so remarkably adapted; and then follows the north, the great mineral region of Western Canada. But look beyond the lakes —see Iowa, Minnesota, Wisconsin and Illinois, what are they to do with their surplus grain? It must all seek the lake ports. It must be stored where there is no prospect of growth and fermentation taking place. The damp and warm voyage over the heated waters of the Gulf stream is impracticable. The Mississippi and its affluent the Missouri, are useless in great part as avenues for the exportation of the wheat of the west. This has led to that wonderful star-work or railways which radiates from Chicago—for, as a general rule, *all* traffic follows the direction of a *leading* traffic. Extending into the rich prairies of Illinois, Indiana, Iowa and Wisconsin, not less than thirteen different railways radiate from Chicago, a city which has sprung up as it were in a night; in 1840 it had 4,479 inhabitants, it now embraces 85,000 souls, an increase absolutely without parallel on this continent, and yet a true reflection of the commerce, industry and activity of the west. In like proportion, railways from Milwaukee and from Green Bay ramify into the interior. The same argument applies to the lake ports of Huron, St. Clair, and Erie, resulting in the general proposition, that the region of the Great Lake draws to itself a mighty trade which naturally belongs to other water sheds. Once on the lakes whither do these accumulations tend? You will answer to the seaboard, for home consumption, or for exportation to Great Britain, Ireland, or the West India Islands. But in seeking the sea-board they have to find the easiest and speediest route in their descent to the sea level. In Lake Superior, Lake Michigan, and northern parts of Lake Huron, every cargo of western produce is 570 feet above the sea. It must be let down step by step until it reaches this universal level. This may be effected by a short, safe and rapid step, nearly in a straight line, or it may be effected by a circuitous route, and by a long and often precarious descent. No one doubts that the more rapid and safe the communication between east and west, the more sudden and elastic will be the ebb and flow of that mighty commercial stream whose course, it wisely, though ever so gently directed in the first instance, will soon carry away every obstruction and impediment to its perfect freedom. Now look at Western Canada, and see the barrier which this wedge-shaped country introduces between the east and west; happily it is only a physical barrier; formerly it was also a political and commercial one. As a physical barrier what has high art and generous enterprize done to bring nearer to one another the fruitful west and the insatiable east. We have now in active operation the Great Western, (Lake Huron and Lake Ontario at Hamilton; and State of New York at Suspension Bridge, 229 miles,) the Northern Railway (Lake Huron and Lake Ontario 90 miles,) traversing the barrier; and the Welland Canal, (Lake Erie and Ontario,) letting down the produce of the west to the level of Lake Ontario, without breaking bulk. Are these means of communication taxed to the full; the Welland Canal thronged to the utmost, answers for itself; the Great Western Railway for half its length as a mere preliminary step, has to be immediately doubled in capacity by means of a new branch from London to Sarnia, with double track from London to Hamilton; the Northern, which a year ago was thought to be a weak and exotic fledgling, has already taken wing with a power and vigour indicative of great inherent strength; the Lake Huron and Buffalo Railway, the Anglican name for the late Buffalo, Brantford and Goderich Railway (Lake Erie to Lake Huron 160 miles, 82 now open,) will be finished in a twelvemonth; the Grand Trunk which stretches its long length through the centre of the most fertile part of Western Canada, and thence onward to the sea, will soon unite the upper lakes with the Atlantic; and yet all these connecting links between the west and east will be insufficient to serve that vast commercial expansion which treads so rapidly upon, and fills to repletion the present artificial means of communication. There are additional stupendous works in "contemplation." First, a ship canal connecting Georgian Bay, the northern part of Lake Huron, with Lake Ontario at Toronto. Second, a ship canal connecting the head of Lake Huron by the route of Lake Nipissing, with the Ottawa, and thence with the sea or Lake Ontario. Third, the Great Southern Railway, establishing a third line of communication between the head of Lake Erie and the Niagara River. You may well smile at the interpretation given to the word "contemplate" with us, yet think that all the railways just named were only "contemplated" some three or four years ago, and now they may be said to be constructed. So in five years to come you will find that vast change to have occurred in relation to these new projects, which the wonderful growth of the Great West is now forcing upon our attention. Whatever each succeeding year is doing for the Great West it is doing for Canada. It is not only increasing population by the influx of strangers, to a degree totally unparalleled, but opening out new fields of enterprise, and establishing new centres of industry, where five years before existed desolate and uninhabited wilds. Every mine opened on the south shore of Lake Superior, benefits us on account of our geographical position; and whatever may be said of the prospective wealth and importance of that extensive mineral region of our neighbours may be said with equal confidence of our own. So with respect to every additional acre cultivated in Iowa or Minnesota; it adds its mite to the traffic which is filling to excess every avenue of communication we have opened between the west and east; and our future difficulty will be to keep pace with the increase of those accumulations which will seek to be set in motion from the commercial centres of the north-western lakes. It will be well to examine in as brief a manner as possible, the present ascertained commerce of the lakes, in order to see if our ex-

pectations of the future are likely to be borne out by fact. In 1851, Mr. Andrews (Report to United States Government,) estimated the value of the commerce of the great lakes to be about £80,000,000. We are now at the close of the year 1856, very nearly four years have elapsed since Mr. Andrews made his calculation and report, and during that short space of time £30,000,000 have been added to the value of lake commerce; or in other words, at the present moment the commerce of the great lakes is estimated at one hundred and ten millions currency. The imports and exports of this region by the River St. Lawrence alone, exceeded in 1855 £8,000,000, and they were exclusively Canadian. There is much of promise in this for the future, much to induce us to be up and stirring, in order to secure our position and render it immovable.

The construction of railways, the increase of population, the high price of grain, and the removal of fiscal regulations, have effected, during the past two years, so startling a change in the prospects for the future of this country, that it has become a matter of difficulty to select an appropriate subject for the purpose of illustrating the curious effects of our progress, effects which we all feel and see around us for the time being, but are not much in the habit of searching for five or ten years ahead, and of their probable influence then. Take the item, fire-wood. The number of families in Western Canada, reckoning five persons to a family, is about 250,000. Each family consumes for fire-wood, or destroys in the process of clearing, at the lowest average twenty cords of wood per annum. In other words, 5,000,000 cords of wood are annually annihilated by this means alone. The consumption of our railroads at the close of the present year will be about 200,000 cords; steam boats consume at least an equal amount; so that the total quantity is 5,400,000 cords, which at sixty cords per acre is equal to the growth of 90,000 acres. In 1851-2, the area of wooded and wild land surveyed and held was 6,123,132 acres; and we may with justice assume, that notwithstanding the annual additions to the surveyed lands, yet the *accessible* portion of our wooded land at present does not exceed 5,000,000 acres, or enough to last for fire-wood purposes not longer than twenty-five years, making due allowance for increase of population, and consumption in various ways. Will this consumption take place? Certainly not; rise in price will check it; the more valuable woods will gradually be preserved for exportation and manufacturing purposes. The Paris exhibition, in which we have so signally distinguished ourselves as a practical, common-sense people, will secure this new field of industry for us. What then is to be the substitute? Coal, the coal of Ohio and Pennsylvania; perhaps as years roll on the coal of Illinois; it may be too that the coal of Michigan will yet be found serviceable. The future commerce in coal is an easy problem. The great west, though possessing boundless prairies and mines, has but little timber, and many of the coal-beds are imaginary. Not less than three-fourths of the so-called coal-beds of Dr. Owen will have to be swept from the map. She must look to the East, to the Lake region, for her fuel for most purposes. Chicago now requires for 1855, 80,000 tons, Milwaukee 30,000, Toronto 17,000 tons; and in short the great lakes generally, including the towns on their coasts and the steamers on their waters, no less an amount than 700,000 tons? What will be the requirement in 1860? What in 1865?

Again, take the item iron. Our railways are groaning under their incessant burdens; but iron, strong as it is, cannot endure for ever; and you may safely say that the average period of the durability of the iron of a railroad does not exceed five years. This is an ascertained fact, and a most important one; it amounts to this—that before 1860 all the railways in North America will require on an average to renew their iron tracks? Where is the iron to come from? Can Europe supply her own increasing want and ours besides; or will not rather enterprise and necessity open out that vast mineral region of Superior, and give our own manufacturers iron within the borders of the great Lakes? In 1851 the United States imported 188,626 tons of iron, of an agregate value of $4,900,000, and at a cost of $26 per ton. In 1854 the same country imported 282,866 tons, having a value of $12,020,000, and, including duty, at a cost of $49 49c. per ton, or not far short of double the price in 1851.

I have selected two items, coal and iron, because they are at the foundation of all modern enterprise; they constitute in themselves the crude yet mighty means by which the United Kingdom has reached its incalculable wealth and gigantic power. They are equally the means by which the United States of America and the Canadas have arrived at their present position, and on which they found their hopes for future greatness. Of what value would the richest prairies loaded with grain be, if means of export were closed? Of what value is that prostrate pine, which lies in huge magnificence at our feet, as long as there exists no hope of conveying it where it may be made to serve some useful purpose. It lies not where the storm has laid it, and so will thousands around us until means of communication are opened out; then they become of value, and the nearer they are to market the greater their worth. It has pleased Providence to withhold one of these mighty engines of enterprise and wealth from us. Coal no doubt once existed in vast abundance in Western Canada, but it has long since been swept away, and the outlying patches in the United States just touch our borders. But in our deprivation we find another strong necessity for extending our means of communication, to supply not only ourselves but the ports and cities of Lake Ontario Valley. A very large portion of our mineral region is covered with trees which are not fit for commercial purposes, but may be converted into charcoal with the greatest advantage, and thus meet in some degree, as far as iron and copper is concerned, the want of coal. All the excellent Swedish iron is smelted by means of charcoal, and as soon as means of communication render our mineral region commercially accessible, charcoal can be manufactured at one-fourth of the price it obtains in Europe. The Huron, Lake Nipissing and Ottawa Canal, will change that dreary wilderness into a bustling centre of industry.

Now imagine, for the sake of grasping this subject more easily, that a ship canal between Lake Huron and Lake Ontario were constructed; that it were capable of letting down the produce of Lake Huron some 350 feet into Lake Ontario, in propellors or screws, carrying at least 1,000 tons. The length of the canal would be about 100 miles, and it would save in actual distance alone not less than 300 miles. It would become one of the great highways for merchandize of every description going to the East, and from the East going to the West. Its extremities would be converted into depots of coal to supply the steamers running to and from Oswego, Rochester, and Ogdensburg, being on the line of traffic, and the nearest points to the mines of Ohio, from which they must derive their supplies. Chicago, which in 1854 shipped nearly 13,000,000 bushels of wheat, would send every grain by that short route to Oswego and the St. Lawrence ports. But if Chicago shipped 13,000,000 in 1854, what will she do in 1860; and what will the other ports of Lake Michigan, emulating her in enterprize and courage, send to swell the traffic which must cross the great barrier of Western Canada, to find the cheapest route by way of Oswego and the St. Lawrence, to the most profitable markets in the East, and beyond the seas? Whatever argument applies to exports, holds good with imports; an equal tide of traffic will return by the same route for Lake Michigan and Lake Huron Ports; in a word for the great North West. The rush for land is even greater in the Western States than in Western Canada. In 1854 the United States government sold the enormous area of 3,276,000 acres in Iowa alone, at an average price of $1 24 cents the acre. In Missouri, 2,896,000 acres were sold during the same period, at an average price of 43 cents per acre. The total amount of land sold in the United States and its territories during 1854 amounted to 14,869,368 acres, payment being made in cash, the receipts being $105,49,000. It is a most fortunate circumstance for Western Canada, that her form is that of a wedge, penetrating among the Southern States of the Lake region. That single geographical condition secures to her a large share of the traffic between these States and the East, as already exemplified on the Great Western railway; thus leaving for Central Western Canada and the Ottawa Valley the commerce of Lake Michigan ports led directly into Lake Ontario. This subject might be greatly amplified, and with advantage, but time warns us to limit these encouraging speculations, and to turn our attention to the internal condition and prospects of the country we are surveying.

A new state of affairs has arisen in Western Canada during the past two years. High prices have had a marvellous effect, and one which is not without hazard to the farmer, whose industry lies at some distance from the leading lines of traffic. As an illustration we may take Toronto markets, and trace the effects of high prices among many of the smaller farmers of that neighbourhood. The illustration will hold good for every other town and village in the country.

It is necessary to remind you that the majority of the

farmers of Canada have once belonged to the class either of labouring men, or mechanics. They have purchased their farms, probably as wild land, at a time when land could be obtained from 10s. to 20s. per acre. The gradual settlement of the country, added to the results of their own labour, has placed them not only in an independent position, but often made them comparatively wealthy men. How have they expended their wealth? First, in surrounding themselves with comforts; secondly, in purchasing fresh farms (wild land) for their children or themselves. Generally they have retained the primitive method of simply accumulating dollar by dollar the necessary funds, and retaining it in their own homes until a favorable opportunity for expending it occurred. This hoarding process, though very general, has not until lately exhibited any evil effects, because the accumulations were slowly made, small in amount and limited in number. But during the past two years, high prices have enabled farmers to accumulate rapidly and to a large amount. As heretofore, their gains have been expended in the purchase of wild land, and the price of land has risen enormously. Suppose that in one day the farmers about Toronto receive in cash £2,000 for the wheat they bring to market: this sum with a very small deduction disappears at once from circulation; so on day by day until the recipients have accumulated sufficient to make fresh purchases of land, probably in some remote township. Payments are generally made by instalments; and under the prospect of continued high prices, the temptation to secure "lots" of land is irresistable. Not only is a very large sum of money thus withdrawn from circulation, producing a pressure upon commercial transactions, but tens of thousands render themselves liable for payments which the bare occurrence of a decline in the price of wheat to a dollar the bushel would make it difficult, perhaps impossible, for them to meet. It is easy to see how this condition of affairs would react upon the small storekeepers throughout the country, and ultimately upon the merchants. Again it may be observed that during the past two years the value of every kind of farming produce has risen in the same proportion as products adapted for exportation, and must so continue until our great lines of traffic are completed through the great barrier. When these are in active operation, it is possible but not very probable that a reduction may take place. The great increase of population in the Atlantic States, the remarkable falling off in their capabilities to supply themselves, and "reciprocity," will most probably operate in maintaining present remunerative prices for all articles not dependent upon foreign demands. We possess a strong sprit of nationality which keeps us within our own borders. The American, so called, cares not whether he makes his home in Ohio or in Minnesota, in Indiana or in Iowa; he is still in the Union, and knows no home tie sufficiently strong to overcome the desire for gain to be won by moving a thousand miles to the West. Our farmers, it is true, are continually selling out and going deeper into the bush, but this is a process which must gradually exhaust itself, as far as the agricultural region is concerned. They remain, however, in Canada ultimately, as permanent settlers, and become, under the instruction of a continual stream of practical farmers and labourers from the old contry, excellent husbandmen. The importance of this feeling of Nationality is liable to be overlooked; it is essentially valuable as conducive to the improvement of the soil and the prevalence of good husbandry. An American of the great producing Western States, rapidly exhausts his farm by repeated croppings, sells out, and seeks new land; a general rise in price, owing to increase of population, settlement, railroads, &c., amply remunerating him for his "improvements." This goes on continually, and the march of the pioneer farmer is always westward. The result is, that the average amount of crops raised in the older states has been continually diminishing for years past; and those which are considered the most advantageously situated with regard to soil, climate, and means of communication, such as Ohio for instance, are positively behind Western Canada in average production. We are continually increasing our averages and improving our farms; ameliorating rather than deteriorating the condition of the soil, because we are a comparatively stationary people. In the States of the Union, the contrary decidedly prevails. We shall soon exceed in absolute production any single state of the American Union, as we now exceed them in relative production. We possess many singular advantages as an agricultural country which are not generally enjoyed by our neighbours. Exactly crossing the centre of Western Canada is a vast series of gypsum beds, from which the excellent fertilizer may be extracted in a state of great purity at a trifling expense: the same rocks extend as a stripe into New York on the one hand and Northern Michigan on the other. In nearly every part of Western Canada we find limestone, and if not always in the form of massive beds, still as layers between beds of argillaceous shale, and sufficiently pure for agricultural purposes. In the drift clays which cover the country, lies, however, our chief wealth: over the whole of the agricultural region, with the exception of pine-clothed sand ridges, these drift clays constitute the subsoil, sometimes ten, sometimes two hundred feet thick, and holding up that priceless treasure, pure spring water. So marked is the influence of the Lakes which surround us on our climate, that species of trees which in the Atlantic states only reach the latitude of the middle of Ohio, are found growing in the utmost luxuriance in the valley of the Thames in Western Canada. Neither have we so frequently to lament the occurrence of drought, or of sudden deluges of rain, which distinguish the climates of the North Western States. Under these circumstances of climate, soil, and people, is it not reasonable to anticipate a bright future for the agricultural industry of Western Canada? What then will be the position of this country in 1860? Is this a problem difficult of solution, or is it not partially worked out in the lessons which the past two years have taught us? Let us dwell for a few moments on the scene around us, and then draw conclusions as to what we may be permitted to see before the close of another decade. Yonder to the north, the dividing ridge between the Ottawa Valley and Lake Huron is already gained by the adventurous lumber-men, and the farmers are following from the Ottawa rapidly in their footsteps. Hitherto the rivers and streams flowing to the East have borne, during each spring freshet, the labours of the winter towards the St. Lawrence. The summit ridge has been gained, however, and Lake Huron, begins to receive the treasures of our forests to supply the wants of the WEST. The crest of the dividing ridge, at the head waters of the Petawawee and Matawa, great affluents of the Ottawa, gives rise to the Muskoka, the Maganetawan and French River, which flow into Lake Huron, and down these noble rivers the first instalment of a vast supply of lumber is preparing for its spring journey to the West, while here and there along the north coast, at the mouths of the rivers, mills are being erected, and the site of future towns marked out. We know what has led to the construction of the slides on the Ottawa; the same necessity will soon overcome the obstacles to be met with in the course of the most important rivers flowing into Lake Huron. Now turn to the south and glance along the lines of railway already completed. See, where the thick forest held absolute sway two years ago, thousands of bright spots illuminated by the sunlight which now reaches them, and growing into little life-giving centres to the scattered industry which has hitherto existed in loneliness and hardship, almost cut off from the humanities of life. Watch these expanding day by day, diffusing life, vigour and hope all around them, and along the great lines of traffic continually increasing in number, and growing in strength, converting silent woods into bustling farms, and pushing the blessings of industry and civilization into the cold heart of the wilderness on every side. Lastly, glance at the Ottawa Valley, and thence to the shores of Lakes Huron and Superior along our wild north-eastern and northern boundary. See how our mineral wealth is already glittering on the surface, won from inexhaustible stores of copper and iron, of more worth to us than "wedges of gold" or "heaps of pearl." One word more before we part. There is nothing illusory in the scene you have been surveying. No mirage to bring out into unnatural relief the brighter spots of the picture; all is solid and severe. The nature and extent of the useful part you may hereafter play in the future of Western Canada, depends entirely upon yourself. All varieties of scene and occupation are open to you, each anxiously seeking to adopt and claim you for its own. And as your heart begins to warm towards those among whom you may choose to cast your lot, seek to acquire and spread a feeling of respect and affection for your new Canadian home, not so much on account of the gifts it so freely and generously offers, but for the independent future it promises to yourself and your children. Remember that you have become one of a PEOPLE, and that you have a proud feeling of nationality to reverence in others and acquire for yourself, which some day, perhaps, may come upon you unawares, bringing with it deep thankfulness for the blessings you have so peacefully won.

THE ROYAL FAMILY.

HER MOST EXCELLENT MAJESTY (ALEXANDRINA-) VICTORIA, By the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith. Her Majesty, the only child of His Royal Highness Edward Duke of Kent, fourth son of King George III., was born on the 24th of May, 1819; succeeded to the Crown on the demise of her uncle, his late Majesty William IV., on the 20th June, 1837, and married Feb. 10, 1840, Francis-Albert-Augustus-Charles-Emmanuel, Duke of Saxe, Prince of Coburg and Gotha, who was born August 26, 1819. Issue: *Victoria-Adelaide-Mary-Louisa, Princess Royal*, b. Nov. 21, 1840; *Albert-Edward, Prince of Wales*, b. Nov. 9, 1841; *Alice-Maud-Mary*, b. April 25, 1843; *Alfred-Ernest-Albert*, b. Aug. 6, 1844; *Helena-Augusta-Victoria*, b. May 25, 1846; *Louisa-Caroline-Alberta*, b. March 18, 1848; *Arthur-William-Patrick-Albert*, b. May 1, 1850; *Leopold-George-Duncan-Albert*, b. April 7, 1853.

PROVINCE OF CANADA.

SEAT OF GOVERNMENT—TORONTO.

GOVERNOR GENERAL—His Excellency Sir Edmund Walker Head, Bart., Governor General of British North America, and Captain General and Governor-in-Chief of the Provinces of Canada, New Brunswick, Nova Scotia, and the Island of Prince Edward, &c, &c, &c. Viscount Bury, Governor General's Secretary. Capt. Retailack, 16th Regt., A. D. C., Military Secretary, and Principal Aide-de-Camp. Colonel Irvine, Provincial Aide-de-Camp. Lieut. Col. Duchesnay, extra Provincial Aide-de-Camp.

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Receiver General—Hon. E. P. Tache.
Attorney General East—Hon. L. T. Drummond.
Speaker Legislative Council—Hon. John Ross.
Inspector General—Hon. William Cayley.
Attorney General West—Hon. John A. Macdonald.
Postmaster General—Hon. Robert Spence.
Commissioner of Crown Lands—Hon. Joseph Cauchon.
Chief Commissioner Public Works—Hon. François Lemieux.
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GENERAL POST OFFICE.—Hon. Robert Spence, Postmaster General; William H. Griffin, Secretary; E. F. King, Chief Clerk; E. J. King, Accountant; P. Lesueur, Superintendent Money Order Branch; J. F. McCuaig, Inspector Dead Letters; Edward S. Freer, Inspector Montreal Division; H. A. Wicksteed, Inspector Kingston Division; John Dewe, Inspector Toronto Division; G. E. Griffin, Inspector London Division.

EDUCATIONAL DEPARTMENT, C. W.—For the general administration of the Grammar and Common School Laws. Rev. Egerton Ryerson, D.D., Chief Superintendent of Schools; John George Hodgins, Deputy Superintendent of Schools; Thomas Hodgins, Second Clerk; A. J. Williamson, Clerk of Correspondence; Alexander Marling, Clerk of Accounts; Samuel P. May, Clerk of Libraries; Thomas C. Scoble, Assistant Clerk. Offices in the Normal School Buildings, Toronto.

GEOLOGICAL SURVEY.—W. E. Logan, F.R.S., Provincial Geologist; Alexander Murray, Assistant do., T. S. Hunt, Chemist. (This Office is at Montreal.)

LEGISLATIVE COUNCIL OF CANADA.

HON. JOHN ROSS, Toronto, Speaker.

NAMES & RESIDENCES.

Hon. P. B. DeBlaquier, *Toronto.*
" Peter McGill, *Montreal.*
" Rene E. Caron, *Quebec.*
" W. Morris, *Montreal.*
" J. Crooks, *Flamboro West.*
" A. Fergusson, *Flamboro East.*
" J. Macaulay, *Kingston.*
" J. Hamilton, *Kingston.*
" A. Ferrie, *Doon.*
" P. H. Knowlton, *Brome.*
" P. H. Moore, *Phillipsburgh.*
" J. Dionne, *St. P'rs les Becquet.*
" G. J. Goodhue, *London.*
" W. Walker, *Quebec.*
" C. Widmer, *Toronto.*
" J. Æ. Irving, *Newmarket.*
" P. Boucher DeBoucherville, *Boucherville.*
" J. Morris, *Brockville.*
" J. Gordon, *Toronto.*
" H. Pinhey, *March.*—Died March 1/57.

NAMES & RESIDENCES.

Hon. J. Ferrier, *Montreal.*
" R. Matheson, *Perth.*
" G. S. Boulton, *Cobourg.*
" D. B. Viger, *Montreal.*
" E. P. Tache, *Quebec.*
" James Leslie, *Montreal.*
" Frederick A. Quesnel, *Montreal.*
" J. Bourret, *Montreal.*
" G. S. DeBeaujeu, *Coteau du Lac.*
" L. Methot, *St. Croix.*
" J. O. Turgeon, *Terrebonne.*
" S. Crane, *Prescott.*
" S. Mills, *Hamilton.*
" Louis Panet, *Quebec.*
" Narcisse F. Belleau, *Quebec.*
" Charles Wilson, *Montreal.*
" Benjamin Seymour, *Bath.*
" David M. Armstrong, *Berthier.*
" Ebenezer Perry, *Cobourg.*
" Eusebe Cartier, *St. Hyacinthe.*
" Walter H. Dickson, *Niagara.*

PERMANENT OFFICERS.—J. F. Taylor Clerk, and Master in Chancery; Robt LeMoine, Deputy and Assistant Clerk Master in Chancery, and French Translator; Fennings Taylor, Additional Assistant Clerk, and Chief Office Clerk; E. L. Montizambert, Law Clerk, and English Translator; J. E. Doucet, Additional Assistant Clerk, and Assistant French Translator; W. A, Maingy, do. and 2nd Office Clerk: James Adamson, Clerk of the English Journals; J. G. Couillard, Clerk of the French Journals; Rene Kimber, Gentleman Usher of the Black Rod: Olivier Vallerand, Serjeant-at-Arms; Rev. W. A. Adamson, D.C.L., Chaplain and Librarian; Michael Keating, Chief Messenger; Edward Botterell, Doorkeeper; Antoine, Lachance, Messenger; Timothy Neary, do.; Samuel Skinner, do.; James Doherty, do.; John Stanley do.; John Young do.; F. Boulet, do.

ADDRESS.—To the Honourable the Legislative Council of the Province of Canada, in Parliament assembled. The Petition of ———

Humbly sheweth, That, &c.
[*Place and date.*]

LEGISLATIVE ASSEMBLY OF CANADA.

LOUIS VICTOR SICOTTE, Speaker.

CONSTITUENCIES.	NAMES.
Argenteuil.	Sidney Bellingham.
Bagot	Timothe Brodeur.
Beauce	Dunbar Ross.
Beauharnois.	Charles Daoust.
Bellechasse	O. C. Fortier.
Berthier	Pierre Eust. Dostaler.
Bonaventure	Thomas Meagher.
Brant (E. R.)	David Christie.
Brant (W. R.)	Herbert Biggar.
Brockville (Town)	George Crawford.
Carleton	Wm. F. Powell.
Chambly	Noel Darche.
Champlain	Thomas Marchildon.
Chateauguai	Jacob DeWitt
Chicoutimi and Tadoussac.	David E. Price.
Compton	John Sewall Sanborn.
Cornwall (Town)	Roderick McDonald.
Dorchester	Barthelemi Pouliot.
Drummond & Arthabaska	J. B. Eric Dorion.
Dundas	John Pliny Crysler.
Durham (E. R.)	Francis H. Burton.
Durham (W.R.)	Henry Munro.
Elgin (E. R.)	George Southwick.
Elgin (W. R.)	George MacBeth.
Essex	Arthur Rankin.
Frontenac	Henry Smith.
Gaspe	John LeBoutillier.
Glengary	Hon. J. S. Macdonald.
Grenville (S. R.)	Wm. Patrick.

CONSTITUENCIES.	NAMES.
Grey	George Jackson.
Haldimand	Wm. Lyon Mackenzie.
Halton	Geo. K. Chisholm.
Hamilton (City)	Sir A. N. MacNab.
Hastings (N.R.)	Edmund Murney.
Hastings (S.R.)	Bilia Flint.
Huntingdon	R. Brown Somerville.
Huron & Bruce.	Hon. W. Cayley.
Iberville	Chas. Joseph Laberge
Joliette	Joseph H. Jobin.
Kamouraska	Jean Chas. Chapais.
Kent	Edwin Larwill.
Kingston (City).	Hon. J. A. Macdonald.
Lambton	George Brown.
Lanark (N. R.)	Robert Bell
Lanark (S. R.)	James Shaw.
Laprarie	T. J. J. Loranger.
L'Assomption	Joseph Papin.
Laval	Pierre Labelle.
Lenox and Addington	David Roblin.
Leeds & Grenville (North Riding)	Basil R. Church
Leeds (S. R.)	Jesse Delong.
Levis	François Lemieux.
Lincoln	Hon. W. H. Merritt.
L'Islet	Chas F. Fournier.
London (City)	John Wilson.
Lotbinere	John O'Farrell.
Maskinonge	Joseph E. Turcotte.
Megantic	Wm. Rhodes.

CONSTITUENCIES.	NAMES.
Middlesex (E. R.)	Wm. Niles.
Middlesex (W. R.)	John Scatcherd.
Missisquoi (E. R.)	Jas. M. Ferres.
Missisquoi (W.R.)	H. H. Whitney.
Montcalm	Joseph Dufresne.
Montmagny	Napoleon Casault.
Montmorency.	Joseph Cauchon.
Montreal (City)	Antoine A. Dorion. Luther H. Holton. Hon. John Young.
Montreal (Hochelega Riding)	Joseph Laporte.
Montreal (Jacques Cartier Riding)	M. F. Valois.
Napierville	Jacques O. Bureau.
Niagara (Town)	Joseph C. Morrison.
Nicolet	Thomas Fortier.
Norfolk	Hon. John Rolph.
Northumberland (East Riding)	James Ross.
Northumberland (West Riding)	Sidney Smith.
Ontario (N. Riding)	Joseph Gould.
Ontario (S. Riding)	J. McV. Lumsden.
Ottawa (City)	Agar Yeilding.
Ottawa	Alanson Cooke.
Oxford (N. Riding)	Donald Matheson.
Oxford (S. Riding)	Ephraim Cook.
Peel	James C. Aikins.
Perth	Thos. Mayne Daly.
Peterborough	John Langton.

CONSTITUENCIES.	NAMES.
Pontiac	John Egan.
Portneuf	Jos. Elie Thibaudeau
Prescott	Henry W. McCann.
Prince Edward	David B. Stevenson.
Quebec (City)	Jean Blanchet. Charles Alleyn. Hon. Jean Chabot.
Quebec (County)	François Evanturelle
Renfrew	———
Richelieu	Jean B. Guevermont
Rimouski	Joseph C. Tache.
Rouville	Joseph N. Poulin.
Russell	Geo. Byron Lyon.
Saguenay	Pierre Gabriel Huot.
Saint Hyacinthe	Louis Victor Sicotte.
Saint John's	François Bourassa.
Saint Maurice	L. L. L. Desauniers.
Shefford	Hon. L. T. Drummond
Sherbrooke (Town)	Alex. T. Galt.
Sherbrooke and Wolfe	Wm. L. Felton.
Simcoe (N. Riding)	Angus Morrison.
Simcoe (S. Riding)	Hon. W. B. Robinson.
Soulanges	Luc H. Masson.
Stanstead	Timothy L. Terrill.
Stormont	William Mattice.
Temiscouata	Benjamin Dionne.
Terrebonne	G. M. Prevost.
Three Rivers (Town)	Antoine Polette.
Toronto (City)	Hon. J. H. Cameron. J. G. Bowes.
Two Mountains	J. B. Daoust.
Vaudreuil	J. B. Mongenais.

CONSTITUENCIES.	NAMES.
Vercheres	Geo. E. Cartier,
Victoria	James Smith.
Waterloo (N. R.)	M. H. Foley.
Waterloo (S. R.)	Robert Ferrie.
Welland	John Frazer.
Wellington (N. R.)	Wm. Clarke.
Wellington (S. R.)	A. J. Ferguson
Wentworth (N. R.)	Hon. R. Spence.
Wentworth (S. R.)	S. B. Freeman.
Yamaska	Ignace Gil.
York (N. Riding)	Joseph Hartman.
York (E. Riding)	Amos Wright.
York (W. Riding)	John W. Gamble.

PERMANENT OFFICERS.

Chief Department.—W. B. Lindsay, Clerk; W. B. Lindsay, Jun., Clerk Assistant; W. Ross, Deputy do.; T. Vaux, Accountant; C. Langevin, Assistant do.

General Department.—W. P. Patrick, Chief Office Clerk; H. Hartney, Assist. do.; William Spink, Routine and Record Clerk; H. B. Stuart, English Writing do.; E. Denichaud, French do.; W. B. Ross, Junior Clerk; Hermann Poetter, do.; A. Laperriere, Assistant French Writing Clerk.

General Committee Department.—Alfred Patrick, Clerk of Committees and of Controverted Elections; J. P. Leprohon, First Assistant Clerk of Committees; F. X. Blanchet, 2nd do.

Private Bill Department.—A. Todd, Clerk of Private Bills; T. Patrick, Assistant do. and Clerk of Railway Committee.

Translators.—G. Levesque, French Translator of the Laws; A. G. Lajoie, Assistant do.; D. P. Myrand, French Translator of Documents; E. P. Dorion, Assistant do.; W. Fanning, French Translator of Journals and Routine Business; F. Badgley, English Translator; W. Wilson, Assistant do.; W. P. Power, Extra do.

Journals.—G. M. Muir, Clerk of English Journals; P. E. Gaynon, Clerk of French do.; W. H. LeMoine, Assistant Clerk of French Journals; W. C. Burrage Assistant Clerk of English do.

Library.—W. Winder, Librarian; Alpheus Todd, Assistant Librarian; J. Curran, Library Keeper.

Serjeant-at-Arms Department.—D. W. MacDonell, Sergeant-at-Arms; A. L. Cardinal, Chief Messenger and House Keeper; M. McCarthy, Assistant Messenger; O. Vincent, do.; J. O'Connor, Door-keeper; J. Cameron, Assistant do.

Post Office Department.—R. Defries, Post Master; Joseph Blais, Assistant Post Master; P. Laliberte, Messenger.

ADDRESS.—To the Honourable the Legislative Assembly of Canada in Provincial Parliament Assembled:
The Petition of——

Humbly Sheweth, That, &c.

Wherefore your Petitioners humbly pray, &c.

[*Place and Date.*]

☞ No Petition to the Legislative Assembly will be received unless there be three genuine signatures on the sheet of paper or Parchment on which the conclusion of the Petition is written or printed. The usage has been, in the Legislative Assembly, to receive *only written* Petitions, but at a late session (1853), the Assembly adopted a resolution to receive *printed* Petitions in that House. All Petitions must be dated.

POST OFFICE DEPARTMENT.

NEWSPAPERS.

All newspapers published within the Province of Canada, pass by mail free of postage within the Province, whether posted from the office of publication or otherwise.

Newspapers posted in Canada for either of the other British North American Provinces, or coming from thence into Canada, pass free of charge.

Newspapers passing from Canada to the United Kingdom are, if conveyed by the ordinary weekly English mail by way of the States, liable to a charge of one penny each on delivery, being the transit rate levied by the United States; and newspapers from the United Kingdom to Canada, conveyed by the same route, must be pre-paid two pence each in Great Britain.

Newspapers posted in Canada for the United States, pass free to the Frontier. United States newspapers coming into this province are liable to charge at the rate of one penny for every four numbers to regular subscribers, and to ½d. each on transient papers, to be collected by the delivering postmaster.

Newspapers for foreign countries and parts abroad, pass under the regulations and rates of charge prescribed by the Imperial Post Office.

Newspapers re-posted in Canada pass free within the Province.

Publishers of newspapers and periodicals may send to their subscribers inclosed in their publications, accounts for subscription and receipts for the same free of charge.

Newspapers when posted, must be so put up as to shew clearly that the packet or envelope covers newspaper matter only—no marks or signs to serve the purpose of written communication will be permitted, either on the paper itself or on the cover, nor any writing other than the address to which the paper is to be sent, and the name of the sender—and if these conditions are not complied with, the newspaper will be liable to charge as a letter by weight.

As much irregularity and disappointment in forwarding newspapers by post is frequently occasioned, when the parcels are insecurely made up or carelessly addressed for the post, at the offices of publication, postmasters are enjoined, whenever such want of due consideration for the nature of the service to be performed by the post office is frequently manifested, to call the attention of the publisher to the circumstance and request that greater care may be exercised.

Magazines, Periodical and other Printed Matter.

On each magazine or other periodical publication passing between any post office in Canada and any place in British North America, the United States or British West Indies, the ordinary postage rate is—

If not exceeding 3 oz. in weight.....½d.
If over 3 oz. in weight.....2d.

If the postage on periodicals published in Canada, be paid quarterly in advance, either at the office where posted or at the office of delivery, one half the above rates are charged.

Periodicals when sent in packets to one address within the limit of 4 lbs. to each packet, pass at the rate of 3d. per lb. or fraction of a lb.

The regulations of January 1854, (*see last C. Almanac, p.* 40.) exempting periodical publications exclusively devoted to the promotion of Science, Education, Temperance, or of Agricultural instruction, from postage charge, remain in force.

Printed circulars, prices current or hand bills, and other printed matter of a like description, and books bound or unbound, passing as above, are charged a rate of one halfpenny per ounce or fraction of an ounce, whether sent singly or in packets to one address, under the weight limit of 4 lbs. per packet.

Pre-payment of the foregoing rates on periodicals and circulars and all other printed matter is optional, except when addressed to the United States or British West Indies, and in such cases the charge must invariably be pre-paid; further, on all such printed matter received from the United States and British West Indies, the Canada rate always remains to be collected by the delivering postmaster in this province.

Circulars and other printed papers must be sent unsealed to pass as such, and pamphlets, periodicals, magazines, books, &c., must be put up in covers open at the ends or sides, so that the character of the matter may be seen, and are subject to the same restrictions as to the presence of writing and penalty of letter postage for infringement of regulations, which are hereinbefore detailed as applying to newspapers.

The regulations under which prices current and commercial lists, books, &c., are transmitted to and from the United Kingdom remain unchanged.

Letters, &c., to and from the Government and Legislature of the Province.

All letters and other mailable matter addressed to or sent by the Governor of this Province, or sent to or by any Public Department at the Seat of Government are exempt from provincial postage.

All letters and other mailable matter addressed to or sent by the Speaker or Chief Clerk of the Legislative Council or of the Legislative Assembly or by or to any member of the said branches of the legislature during any session of the legislature, and letters, &c., so addressed or sent to the same at the seat of government ten days prior to the day fixed for any meeting of the legislature for the despatch of business, and for ten days subsequent to the close of any session of the same, are free of provincial postage.

All public documents and printed papers may be sent by the speaker or chief clerk of the legislative council, or of the legislative assembly, to any member of either of the said branches of the Legislature of Canada, during the recess of Parliament, free of postage.

Members of either branch of the legislature may send during the recess of parliament, by mail, free of postage, all papers printed by order of either branch of the Legislature of Canada.

The public documents and printed papers sent under this clause should bear as part of the superscription, the *bona fide* signature of the Speaker, Chief Clerk (or officer specially deputed for this purpose to act for those functionaries,) or member sending the same.

REGULATIONS OF MONEY-ORDER OFFICES.

The following Post Offices are authorized to grant and pay Money Orders for any sum not exceeding £25 Currency :—

LIST OF MONEY-ORDER OFFICES.

Amherstburg.	Coaticook.	Kemptville.	Nicolet.	Preston.	Stanstead.
Aurora.	Cobourg.	Kingston.	Norwich.	Quebec.	Stoney Creek.
Aylmer, L. C.	Compton.	L'Orignal.	Oakville.	Ramsay.	Stouffville.
Ayr.	Cornwall.	Lachine.	Orillia.	Renfrew.	Strabane.
Barrie.	Dereham.	Lachute.	Oshawa.	Richmond Hill.	Stratford.
Bath.	Drummodville, UC	Lacolle.	Otonabee.	Rigaud.	Streetsville.
Bayfield.	Dundas.	Laprairie.	Ottawa.	Rimouski.	Suspension Bridge
Beachville.	Dunville.	Leeds.	Owen's Sound.	Riviere du Loup (en bas.)	Terrebonne.
Beamsville.	Elora.	Lenoxville.	Pakenham.	St.Catherines, U.C.	Thornhill.
Belleville.	Etobicoke.	Lindsay.	Palermo.	St. Eustache.	Thorold.
Bentinck.	Fergus.	London.	Paris.	St. George, Brant.	Three Rivers.
Berlin.	Galt.	Longueuil.	Pembroke.	St. Hyacinthe.	Toronto.
Berthier (*en haut*).	Gananoque.	Lyn.	Penetanguishene.	St. John's, L. C.	Trenton.
Bowmanville.	Georgetown.	Markham.	Perth.	St. Mary's Blanchard.	Vanleekhill.
Bradford.	Goderich.	Melbourne.	Peterboro.	Ste Therese de Blainville.	Vienna.
Brampton.	Granby.	Milton, U. C.	Philipsburg.	St. Thomas, Montmagny.	Vittoria.
Brantford.	Grimsby.	Mitchell.	Pickering.	St. Thomas, U. C.	Waterdown.
Brighton.	Guelph.	Montreal.	Picton.	Saugeen.	Waterford.
Brockville.	Haldimand.	Morpeth.	Pike River.	Sandwich.	Waterloo, L. C.
Brooklin.	Hamilton.	Morrisburg.	Port Dalhousie.	Seneca.	WellingtonSquare
Burford.	Hatley.	Napanee.	Port Dover.	Sherbrooke.	West Flamboro.
Carlton Place.	Hawkesbury.	Napierville.	Port Hope.	Simcoe.	Whitby.
Cayuga.	Holland Landing.	Newboro'.	Port Robinson.	Smith's Falls.	William Henry, (Sorel).
Chambly.	Huntingdon.	Newburg.	Port Rowan.	Stanley.	Windsor, U. C.
Chatham, U. C.	Indiana.	Newcastle.	Port Sarnia.	Prescott.	Woodstock.
Chippawa.	Ingersoll.	Newmarket.	Port Stanley.		York.
Clinton.	Kamouraska.	Niagara.			

The Commission chargeable on Money Orders is according to the following Scale:—

COMMISSION CHARGEABLE ON MONEY-ORDERS.

	s.	d.
For Orders not exceeding £2. 10s.	0	3
Do. over £2 10s., and not exceeding £5.	0	6
Do. over £5 and not exceeding £7. 10s.	0	9
Do. over £7 10s. and not exceeding £10.	1	0
Do. over £10. and not exceeding £12 10s.	1	3
Do. over £12 10s. and not exceeding £15.	1	6
Do. over £15 and not exceeding £17 10s.	1	9
Do. over £17 10s. and not exceeding £20.	2	0
Do. over £20 and not exceeding £22 10s.	2	3
Do. over £22 10s and not exceeding £25	2	6

Money Orders are issued and paid at the Money Order Offices between the the hours of 9 a. m. and 4 p. m., and also, at the larger Offices, on Mondays and Thursdays, from 6 to 8 p. m.

Any number of Money Orders may be issued to any one person, but no single Order shall exceed in amount £25 c'y.

Money Orders may be transferred by the *Payee* endorsing the same, payable to another party named. Payment of a Money Order must be obtained before the expiration of the month following that in which it is issued, otherwise a new Order must be obtained, for which the usual commission will be charged.

Money Orders are not granted for fractional parts of a penny.

A Money Order may be repaid at the Office from which issued, but only to the party who originally obtained it.

These economical modes have been devised expressly with a view to the security of property; it may reasonably be expected that all persons having occasion to transmit money will avail themselves of the opportunity of securing it; and in no case, *by committing property* UNREGISTERED *to the letter boxes*, RISK ITS LOSS.

Letters containing valuable matter may be registered on the pre-payment of 1d. The words "Money Letter" are no longer of any use for the sure transmission of letters.

POSTAGE RATES ON LETTERS FROM CANADA TO EUROPE.

Reduction of postage rates on letters from Canada to France, and to certain countries in Europe, sent from England through France.

Under a postage convention recently concluded between Great Britain and France, letters from Canada and the other British North American Provinces for France, or for the undermentioned countries when intended to be forwarded from England *via* France, will for the future be subject to the following rates, when posted for the ordinary closed mails by British mail steamers:—

COUNTRIES.	Not exceeding ¼ oz. in weight.	Exceeding ¼ oz. and not over ½ oz.	Exceeding ½ oz. and not over ¾ oz.	Exceeding ¾ oz. and not over 1 oz.	Exceeding 1 oz. and not over 1¼ oz.	Exceeding 1¼ oz. and not over 1½ oz.	Exceeding 1½ oz. and not over 1¾	Exceeding 1¾ oz. and not over 2 oz.
France & Algeria	1s. 4½d. Stg. equal to 1s. 8d. Cy.	2s. 7d. Stg. or. 3s. 2d. Cy.	3s. 11½d. St. or 4s. 10d. Cy.	5s. 2d. Stg. or 6s. 4d. Cy.	6s. 8½ Stg. or 8s. 2d. Cy.	7s. 11d. Stg. or 9s. 8d. Cy.	9s. 1½d. St. or 11s. 2d. Cy.	10s. 4d. Stg. or 12s. 8d. Cy.
Luxemberg ..... Baden..... Holland..... Prussia ..... Bavaria ..... Wurtemberg . ... Switzerland ..... German States* .	1s. 8d. Stg. or 2s. 1d. Cy.	3s. 2d. Stg. or 3s. 11d. Cy.	4s, 10d. Stg. or 5s. 11d. Cy.	6s. 4d. Stg. or 7s. 9d. Cy.	8s. 2d. Stg. or 10s. Cy.	9s. 8d. Stg. or 11s. 10d. Cy.	11s. 2d. Stg. or 13s. 8d. Cy.	12s. 8d. Stg. or 15s. 6d. Cy.
Sardinia.....	1s. 10d. Stg. or 2s. 3d. Cy.	3s. 6d. Stg. or 4s. 4d. Cy.	5s. 4d. Stg. or 6s. 6d. Cy.	7s. Stg. or 8s. 7d. Cy.	9s. Stg. or 11s. Cy.	10s. 8d. Stg. or 13s. Cy.	11s. 8d. Stg. or 14s. 3d. Cy.	14s. Stg. or 17s. 1d. Cy.
Spain ..... Portugal	1s. 7d. Stg. or 2s. Cy.	3s. Stg. or 3s. 8d. Cy.	4s. 7d. Stg. or 5s. 7d. Cy.	6s. Stg. or 7s. 4d. Cy.	7s. 9d. Stg. or 9s. 6d. Cy.	9s. 2d. Stg. or 11s. 2d. Cy.	10s. 7d. Stg. or 13s. Cy.	12s. Stg. or 14s. 8d. Cy.
Two Sicilies ..... Tuscany ..... Parma & Modena Papal States..... Austrian Domin. Greece..... Ionian Islands... Northern States of Europe†.....	2s. 1d. Stg. or 2s. 7d. Cy.	4s. Stg. or 4s. 11d. Cy.	6s. 1d. Stg. or 7s. 6d. Cy.	8s. Stg. or 9s. 10d. Cy.	10s. 3d. Stg. or 12s. 6d. Cy.	12s. 2d. Stg. or 14s. 10s. Cy.	14s. 1d. Stg. or 17s. 2d. Cy.	16s. Stg. or 19s. 8d. Cy.
Moldavia ..... Wallachia ..... Turkey in Europe	2s. 7d. Stg. or 3s. 2d. Cy.	5s. Stg. or 6s. 1d. Cy.	7s. 7d. Stg. or 9s. 5d. Cy.	10s. Stg. or 12s. 2d. Cy.	12s. 9d. Stg. or 15s. 7d. Cy.	15s. 2d. Stg. or 18s. 6d. Cy.	16s. 11d. St. or 20s. 8d. Cy.	19s. 4d. Stg. or 23s. 6d. Cy.
Constantinople... Dardanelles ..... Beyrout ..... Smyrna ..... Alexandria	2s. Stg. or 2s. 6d. Cy.	3s. 10d. Stg. or 4s. 9d. Cy.	5s. 10d. Stg. or 7s. 2d. Cy.	7s. 8d. Stg. or 9s. 5d. Cy.	9s. 10d. Stg. or 12s. Cy.	11s. 8d. Stg. or 14s. 3d. Cy.	13s. 6d. Stg. or 16s. 6d. Cy.	15s. 4d. Stg. or 18s. 8d. Cy.
Mytelene ..... Gallipoli.....	2s. 1d. Stg. or 2s. 7d. Cy.	4s. Stg. or 4s. 11d. Cy.	6s. 1d. Stg. or 7s. 6d. Cy.	8s. Stg. or 9s. 10d. Cy.	10s. 3d. Stg. or 12s. 6d. Cy.	12s. 2d. Stg. or 14s. 10d. Cy.	14s. 1d. Stg. or 17s. 2d. Cy.	16s. Stg. or 19s. 8d. Cy.

OBSERVATIONS.

Letters for Luxemberg, Holland, Prussia, and the German States, intended to be sent *via* France, must be so directed.

Letters for Cadiz and Vigo, are forwarded by Peninsular Packet, unless specially addressed *via* France.

Letters for Portugal, intended to be sent *via* France, must be so directed.

Letters for Venetian Lombardy are forwarded through France, unless otherwise addressed; but letters for any other part of the Austrian dominions, intended to be sent *via* France, must be so directed.

Letters for the Ionian Islands and the Northern States of Europe, intended to be sent *via* France, must be so directed.

Letters for Alexandria intended to be sent by the French Mediterranean Packets, must be so directed.

The Postage upon letters for Spain and Portugal, as well as those intended to be sent *via* Austria to Parma, Modena, Greece, and the Ionian Islands, must be paid in advance; but letters addressed to any other of the above mentioned countries and places may either be paid in advance or forwarded unpaid, at the option of the sender.

If Letters for France, or for any of the countries above named, *via* France, are forwarded from Canada by Quebec and Halifax, or by Canadian steamer, there will be a reduction on the foregoing rates of:—

On each Letter weighing not exceeding ½ oz. .....2d. Sterling.
On do. over ½ oz., and not exceeding 1 oz. .....4d. Sterling.
On do. over 1 oz., and not exceeding 2 oz. .....8d. Sterling.

Being the transit rate payable to the United States, on letters sent in the ordinary closed Mails *via* Boston.

When such letters are forwarded in the closed Mails by way of New York for conveyance to England by American Government Packet, the charge will be 1s. Sterling per oz., in addition to the rates calculated for the transmission by Boston British Packet.

POSTAGE RATE ON LETTERS TO AND FROM THE UNITED KINGDOM.

In consequence of the withdrawal of many of the Atlantic Steamers belonging to the Cunard line, to meet the exigencies of the war, the mails between America and England have, since last autumn, been carried in alternate weeks by British and United States Government Packets—the former plying once a fortnight to Boston and the latter to New York—the postage rate upon letters between Canada and the United Kingdom, when sent in the weeks supplied by the British Packets, is 8d. sterling, (10d. currency) per ½ oz.; but when transmitted by the mails sent in the weeks served by the United States Government Steamers the rate is 1s. 2d. stg. (1s. 4d. currency) per ½ oz.

* Hohenzollern, Birkenfeld, Hesse Homburg, Lippe Detmold, Schwartzburg, Rudolstadt, Reuss, Anhalt, Nassau, Saxe Coburg Gotha, Saxe Meiningen, Hildburg, Hausen, Hesse (Electoral), Hesse Darmstadt, Saxe Weimar Eisenach, Frankfort on the Maine, Hamburg, Bremen, and Lubeck.

† Hanover, Saxony Mecklenburgh-Schwerin, Mecklenburgh Strelitz, Brunswick, Oldenburgh (except Birkenfeld), Servia, Poland and Russia.

Letters forwarded through the United Kingdom, between Canada and Her Majesty's forces in Turkey, Greece, the Black Sea, (including the Crimea) the Baltic and the White Sea, must be invariably pre-paid:—		When sent in Mails carried by British Packets *via* Boston.		When sent in Mails carried by U. States Packets *via* New York.	
		Sterling.	Equal to Currency.	Sterling.	Equal to Currency.
GREECE, TURKEY, AND BLACK SEA, INCLUDING THE CRIMEA.					
Letters for or from Commissioned or non Commissioned Officers, Soldiers, Seamen, or any other person belonging to the Army, Navy, Ordnance, Commissariat, Medical Department, Land Transport Corps, Army Work Corps, or Turkish Contingent.	Weighing under ¼ oz.	0s. 11d.	1s. 2d.	1s. 5d.	1s. 9d.
	Exceeding ¼ oz. and not exceeding ½ oz.	1s. 2d.	1s. 6d.	1s. 8d.	2s. 1d.
	do. ½ oz. and not do. 1 oz.	2s. 4d.	2s. 11d.	3s. 4d.	4s. 2d.
	do. 1 oz. and not do. 2 oz.	3s. 10d.	4s. 10d.	5s. 10d.	7s. 4d.
	do. 2 oz. and not do. 3 oz.	5s. 4d.	6s. 8d.	8s. 4d.	10s. 5d.
	do. 3 oz. and not do. 3½ oz.	6s. 10d.	8s. 7d.	10s. 10d.	13s. 6d.
	do. 3½ oz. and not do. 4 oz.	7s. 8d.	9s. 7d.	11s. 8d.	14s. 7d.
	do. 4 oz. and not do. 5 oz.	9s. 2d.	11s. 6d.	14s. 2d.	17s. 9d.
	do. 5 oz. and not do. 6 oz.	10s. 8d.	13s. 4d.	16s. 8d.	20s. 10d.
BALTIC, WHITE SEA, AND HELIGOLAND.					
Letters to or from Commissioned or Warrant Officers, Seamen or any other person serving on board Her Majesty's Fleets in the Baltic and White Sea, and to or from Commissioned or non-Commissioned Officers, Soldiers or any other person serving in the Foreign Legion at Heligoland.	Weighing under ¼ oz.	0s. 11d.	1s. 2d.	1s. 5d.	1s. 9d.
	Exceeding ¼ oz. and not exceeding ½ oz.	1s. 2d.	1s. 6d.	1s. 8d.	2s. 1d.
	do. ½ oz. and not do. ¾ oz.	2s. 1d.	2s. 7d.	3s. 1d.	3s. 10d.
	do. ¾ oz. and not do. 1 oz.	2s. 4d.	2s. 11d.	3s. 4d.	4s. 2d.
	do. 1 oz. and not do. 1¼ oz.	3s. 11d.	4s. 10d.	5s. 11d.	7s. 4d.
	do. 1¼ oz. and not do. 1½ oz.	4s. 2d.	5s. 2d.	6s. 2d.	7s. 8d.
	do. 1½ oz. and not do. 1¾ oz.	4s. 5d.	5s. 6d.	6s. 5d.	8s. 0d.
	do. 1¾ oz. and not do. 2 oz.	4s. 8d.	5s. 10d.	6s. 8d.	8s. 4d.

Letters addressed to non-commissioned officers, soldiers or seamen, serving in Her Majesty's forces at the Seat of War, may be forwarded from Canada *via* Quebec and Halifax, on payment of one penny at the time of posting—provided that the letter does not exceed half an ounce in weight; if above that weight, letters so addressed are liable to the ordinary postage rates as laid down in the foregoing tables.

BOOK POST WITH ENGLAND.

Printed books, magazines, reviews or pamphlets, whether British, Colonial or Foreign, may be sent through the post between Canada and the United Kingdom, under the following regulations:—

A book packet may contain any number of separate books, publications, works of literature or art, almanacs, maps or prints, and any quantity of paper, vellum or parchment (to the exclusion of letters whether sealed or open), and the books, maps, paper, &c., may either be written, printed or plain, or any mixture of the three, and may be either British, Colonial or Foreign.

The name and address of the sender, or anything else not in the nature of a letter, may also be written or printed upon the envelope or cover of the packet in addition to the name and address of the person to whom it may be forwarded.

All legitimate binding, mounting or covering of the same, or of a portion thereof, will be allowed as part of the packet, whether such binding, &c., be loose or attached, as also rollers, in the case of prints and maps, and whatever may be necessary for the safe transmission of literary or artistic matter, or usually appertains thereto, and the postage is to be rated upon the gross weight of the packet.

The rates of postage on book packets remain as at present, viz.:—

For each packet not exceeding ½ lb..... 6d. stg., 7½d. cy.
Do. above ½ lb., and not ex. 1lb. 1s. stg., 1s. 3d. cy.
Do. above 1 lb., and not ex. 2 lbs. 2s. stg., 2s. 6d. cy.
Do. above 2 lbs. and not ex. 3 lbs. 3s. stg., 3s. 9d. cy.
and so on, adding 1s. sterling for each additional lb. weight.

The following conditions must be carefully observed, as prescribed by the Imperial Post Office:—

Every book packet must be either without a cover, or in a cover open at the ends or sides.

It must not contain any letter, open or sealed, or any sealed enclosure whatever.

No packet must exceed two feet in length, breadth or width.

The postage of book packets must be paid in advance.

Printed votes and proceedings of the Imperial Parliament and Colonial Legislatures are subject to the above charges and regulations when sent by book post between Canada and the United Kingdom.

All book post matter intended to be sent to the United Kingdom from Canada, must, as heretofore, be forwarded upon Quebec for transmission either *via* Halifax; or in summer, by Canadian steamer.

Books cannot be forwarded except at letter postage rates by the mails sent to England through the United States.

FINANCIAL.

Statement shewing the Cost of the Chief Provincial Works.

St. Lawrence Canals		£1,670,342 4 6	
Welland Canal		1,671,776 6 3	
Chambly Canal and River Richelieu		104,662 16 0	
Lake St. Peter		73,558 15 5	
Burlington Bay Canal		52,773 7 2	
Ottawa Works		145,994 15 1	
Harbours & Light Houses	£299,242 15 10		
Montreal Harbour	120,356 13 4		
		419,599 9 2	
Improvements of the Trent		139,626 11 0	
Roads and Bridges, U. C.		513,670 16 4	
Do. do. L. C.	£222,100 1 8		
Do. Montreal Turnpike Trust	50,750 0 0		
Do. Quebec do.	33,882 0 0		
		306,738 1 8	
Provincial Penitentiary		34,297 15 1	
Miscellaneous		174,914 0 0	
		£5,307,864 17 8	

Statement of Debentures issued on behalf of various Special Accounts, for which the Government is partially liable, up to 31st January, 1855.

Quebec Fire Loan	£83,110 0 0
Law Society, Upper Canada	3,000 0 0
Lunatic Asylum	24,250 0 0
Upper Canada Building Fund	30,000 0 0
Court Houses, Lower Canada	47,157 9 10
St. Lawrence and Atlantic Railroad	486,666 13 4
Great Western Railroad	730,000 0 0
Huron, Ontario, and Simcoe Railroad	577,916 13 4
Grand Trunk Railroad	2,203,991 13 4
Consolidated Municipal Loan	1,472,916 13 4
	£5,659,009 3 2

The Public Debt for the Year ending 31st January, 1855.

Sterling Debentures in England	£3,511,688 11 11
Provincial Debentures in Canada	842,260 13 10
	£4,353,949 5 9

ACT TO EXTEND JURISDICTION OF DIVISION COURTS.

[*Assented to* 30*th May*, 1855.]

I. Any suit or cause of action cognizable in a Division Court in amount, may be entered and tried in the Court holden in the Division in which the cause of action arose, or in the Court holden in the Division in which the defendant, or either of them when there are more than one, shall reside or carry on his business at the time the action is brought, notwithstanding that the defendant or defendants may at such time reside in a different county or division, or different counties or divisions, from that in which the cause of action arose: and all such proceedings shall be taken for the obtaining judgment and the recovery thereof, and in the same manner to all intents and purposes as if the defendant or defendants resided, and the cause of action arose in the same division, except that no writ in the nature of a writ of *Fieri Facias* or attachment, shall be executed out of the limits of the county or united counties over which the Judge of the Court from which the same issued, shall have jurisdiction: Provided that when the defendant, or when there is more than one defendant, when one of them resides in a county adjoining the one in which the action is brought, and none of the defendants resides in the last mentioned county, the summons shall be served fifteen days, and when the defendant does not, nor does either defendant where there is more than one, reside in the county, where the action is brought, or an adjoining county, the summons must be served twenty days at least before the holding of the court at which the cause is to be tried, and if the defendant or defendants desire to make any defence mentioned in the forty-third section of the Upper Canada Division Courts Act of 1850, he, or one of them, shall give notice thereof in writing to the Clerk of the Division Court in which the action is to be tried, in the manner provided by that section, at least five days before the holding of such court; provided that if it shall appear to the Judge that such notice had not been given, without the wilful default of the defendant or defendants, and that injustice would be done unless such defence should be allowed, he may adjourn the hearing of the cause, or such defence thereto, or any part thereof, until the next sitting of the court, upon such terms as to payment of costs as shall appear to him to be just.

II. The Bailiff of any Division Court in Upper Canada may, and he is hereby authorized and required to serve and execute all summonses, writs and orders of any Division Court that shall be delivered to him for service, although the same may have been issued from a Division Court of which he is not Bailiff, and to return the same to the Clerk of the Court of which he is Bailiff: Provided that he shall not be required to travel beyond the limits of the Division of which he is Bailiff, or allowed to charge milage for any distance travelled beyond the limits of the county in which the Court of which he is Bailiff is situated, in the service or execution of such process: And provided that nothing herein contained shall be construed so as to alter the law for the issuing or execution of attachments as provided for by the said Division Courts Act of 1850.

III. It shall be the duty of the Clerk of any Division Court in Upper Canada, upon the application of the plaintiff or defendant, or one of them when there are more than one, having an unsatisfied Judgment in his favour in such Court, or his agent, to prepare a transcript of the entry of such Judgment in such Court, and to send the same to the Clerk of any other Division Court, in any other county in Upper Canada, with a certificate at the foot thereof, signed by such Clerk and attested by the seal of the said Court, stating the amount unpaid upon such Judgment, and the date at which the same was recovered, which certificate shall be addressed to the Clerk of the Division Court to whom it is intended to be delivered; and it shall be his duty upon the receipt of such transcript and certificate, to enter the transcript in a book to be kept in his office for such purpose, and the amount due on such Judgment according to such certificate; and all other proceedings shall and may be had or taken for the enforcing and collecting such Judgment in such Division Court, by the officers thereof, that can be had or taken, under the Upper Canada Division Courts Acts, upon Judgments recovered in any Division Court, for the like purpose; such Clerk shall also be bound when required, to forward all summonses to the Clerk of any other Division Court for service, and to receive the same when returned, and to receive those sent to him by any other Division Court Clerk for service, and to enter them in a book to be kept for that purpose, and to hand the same to the Bailiff for service, and to receive them from the Bailiff, and to return them to the Clerk from whom he received them; and also to give to any party to a suit, or his agent, copies of subpœnas for his witnesses, when requested so to do.

IV. All the provisions of the Upper Canada Division Courts Acts, in reference to costs in any suit brought in any Superior Court for a cause of action cognizable in a Division Court under those Acts, shall apply to any action which shall be so brought for any cause of action cognizable in the Division Courts under this Act.

V. And whereas it is desirable to increase the fees of the Clerks and the Bailiffs of the said Courts: Be it enacted, that from and after this Act shall come into force, the said Clerks shall be entitled to the fees enumerated in the Schedule A, hereto annexed, for the services therein mentioned, instead of the fees mentioned in the said Acts; and that the Bailiffs shall be entitled to five pence per mile instead of the milage allowed by the said Act.

VI. This Act shall come into force on the first day of July next after the passing thereof.

SCHEDULE A.

	Not Exceeding £5.			Exceeding £5, and not £15.			Exceeding £15.		
	£	s.	d.	£	s.	d.	£	s.	d.
Entering every Account and issuing Summons	0	1	0	0	1	6	0	2	0
Copy of Summons, Particulars of Demand or Set Off, each	0	0	6	0	0	9	0	1	0
Every Summons to Witnesses with any number of Names	0	0	6	0	0	6	0	0	6
Entering Bailiff's returns to Summons to Defendant	0	0	3	0	0	3	0	0	3
Every copy of Subpœna when made by the Clerk	0	0	3	0	0	3	0	0	3
Entering Set Off or other Defence requiring notice to Plaintiff	0	0	9	0	1	0	0	1	0
Adjournment of any Cause	0	1	0	0	1	0	0	1	0
Entering every Judgment or Order made at hearing	0	0	9	0	1	0	0	1	3
Taking Confession of Judgement	0	0	9	0	0	9	0	9	0
Every Warrant, Attachment or Execution	0	1	3	0	1	6	0	2	0
Every copy of Judgment to another County	0	1	3	0	1	3	0	1	3
Transcript or Certificate of Judgment for Registration in the County Registry Office	0	1	3	0	1	3	0	1	3
Entering and giving notice of Jury being required	0	1	0	0	1	3	0	1	6
Making out Summons to Jury, for each Juryman	0	0	6	0	0	6	0	0	6
For every Affidavit taken, and drawing the same	0	1	0	0	1	0	0	1	0
Returns to Treasurer, to be paid out of the Fee Fund, including attendance on the Judge to audit the same, each, and to be retained from the Fee Fund in his hands	1	0	0	1	0	0	1	0	0
Every search on behalf of a person not a party to a suit, to be paid by the Applicant	0	0	6	0	0	6	0	0	6
Every search for a party to a Suit when the proceedings are over a year old	0	0	6	0	0	6	0	0	6
Transmitting papers for service to another County or Division, in addition to the necessary Postage on transmission and return	0	1	0	0	1	0	0	1	0
Receiving papers from another County or Division for service, entering same in a book, handing the same to to the Bailiff, and receiving his return, to be paid when the claim is filed or defence entered	0	1	0	0	1	0	0	1	0

CANADIAN PATENTS,

Issued by the Bureau of Agriculture and Statistics, from 6th July, 1842, to 30th June, 1855.

George Riley—An improved method of brewing ale, beer, Porter and other malt liquors. July 6, 1842.
W. Arms—Smut machine for clearing grain. July 26, 1842.
Edward Belanger—Machine hung with nets, for fishing and taking eels. August 25, 1842.
David Alexander—Improvement to the stoves cast in Scotland and Three Rivers in Canada, commonly called Canada box stoves. August 31, 1842.
Jacob Baker—An improvement in the construction of penstocks and water wheel. September 20, 1842.
John Lamb—A now and useful description of water wheel, on a new principle, possessing many advantages over those now in use. October 3, 1842.
Harvey Tripp—New and useful method of constructing wheels to be driven by water. December 12, 1842.
D. A. McDonald—Drilling machine, for the purpose of boring and drilling holes &c., in rock canal quarries, or for any other purposes. December 19, 1842.
Asa H. Hough—Improvement upon a newly constructed suction and forcing pump. Feb. 20, 1843.
William Creighton—Improvement in the rotary steam engine, heretofore in use. March 31, 1843.
John Lamb—New and improved water-wheel. Ap. 3, 1843.
Louis Lemelne—Fire-engine. June 1, 1843.
John O. Brown—Improved trusses. July 5, 1843.
Peter R. Lamb—Improved washing machine. July 7, 1843.
John Montgomery—Composition for preventing and extinguishing fires. August 9, 1843.
Isaac Gouvernair Ogden—Machine for propelling vessels or other floating bodies by the action of heated air, gasses, steam, or other expansive or explosive materials on the fluid in which they are intended to act. Augt. 14, 1843.
Edward Gingras—A new and useful method of constructing springs for carriages. September 16, 1843.
Hiram Bigelow—Revolving drying kiln for the purpose of drying wheat or other grain. September 29, 1843.
Alexander Carpenter—New mode of applying heat in the process of cooking with stoves by means of a horizontal and perpendicular return flue. October 10, 1843.
George T. Meckellean—New construction of mangle for mangling clothes. November 24, 1843.
George Riley—New mode of distilling and rectifying spirituous liquors. December 15, 1843.
A. Adams—Machine for grinding clay. Jan. 8, 1844.
Hiram Bigelow—New and improved revolving drying kiln. January 9, 1844.
Frederick Hull—Self propelling gate. January 27, 1844.
J. M. Holland—Spike machine. March 6, 1844.
William McCall—Mode by which power to be derived from the use of the wheel and screw may be applied to any kind of machinery. May 30, 1844.
William Langmead—Improvement in the manufacture of cooking stoves. June 29, 1844.
John Hearle—Engine pump or fire engine. June 29, 1844.
William Armstrong—Portable fire extinguishing machine. September 3, 1844.
Thomas Proudlock—Method of pumping ships and other vessels, called "The Seaman's Friend." Oct. 14, 1844.
George Milligan—New method of constructing piano fortes. November 21, 1844.
Joseph Smolinski—A new cast-iron cooking and calorifercus stove; and an alteration in the construction of the crockery or brick stove, being an improvement on the stove introduced by one John Vannerous. Nov. 21, 1844.
Chandos Hoskys—An improvement in the truss for the allevlation and cure of Hernea. Jan. 31, 1845.
Jean F. C. Oullet—New method of propelling vessels, carriages, &c., by machinery, without the agency of fuel. March 6, 1845.
Elias Nichols—New method of constructing water wheels. April 4, 1845.
Ebenezer E. Gilbert—A new and useful method of constructing counter balance machines. May 21, 1845.
Nicol Hugh Baird—New method of constructing paddle wheels, of the description termed sweeping paddle wheels, for propelling steam and other vessels. May 30, 1845.
E. E. Gilbert—Counter balance machines. June 25, 1845.
Samuel R. Warren—Method of constructing harmonic attachments for piano fortes. July 9, 1845.
J. Griffiths—Improvement in riding saddle. July 14, 1845.
Lewis Ives—Improved capstan for loading or unloading merchandize or timber from vessels, denominated "Ives's connected capstan. July 16, 1845.
Lewis Ives—Improved method of loading and unloading timber vessels. July 19, 1845.
William Watts—Potatoe digger. July 19, 1845.
John Harris—Revolving horse rake. August 4, 1845.
John Maitland—New principle of distillation and rectification. August 12, 1845.
Albert Young—Metalic coil spring-tooth horse rake. August 16, 1845.
Albert Young—New method of making rakes for making hay and grain. August 22, 1845.
James McKay—New and improved steam engine. Sept. 10, 1845.
Francois Nadeau—New and improved mode of constructing windows. September 18, 1845.
Alexes Hebert—New and improved sawing machine. Oct. 10, 1845.
Moyse Morin—New and improved nets for taking seals and porpoises. October 15, 1845.
Benjamin F. Tibbetts—New and improved steam engine. November 10, 1845.
James Cull, Jr., and Charles Cull—New principle in the construction of a still. November 29, 1845.
Jasper Ball—New and improved churn. Jan. 7, 1846.
Jenkins Lloyd—Cast iron plough. January 17, 1846.
Albert Young—House pump or fire engine. Feb. 14, 1846.
George K. Burrows—New method of making presses for the purpose of pressing clay and other ductile substances. February 27, 1846.
W. McKinlay—Horse thrashing machines. Feb. 27, 1846.
A. Trepanier—Machine for working stone. March 4, 1846.
Francis Gore Wilson—Important improvements in the tanning mill. March 13, 1846.
George Riley—Still for distilling and rectifying spirituous liquors. March 18, 1846.
Horatio A. Rockwell—Yoke for Oxen. March 24, 1846.
Louis Lemoine.—Apparatus for raising all kinds of nets or other instruments used in taking porpoises and other species of fish. April 6, 1846.
Richard H. Oates—Improved method of making mill stones. April 25, 1846.
David J. Ellis—Machine for making brick. April 25, 1846.
Henry Ruttan—Furnace by which houses and other buildings may be heated by hot air. May 2, 1846.
Ephraim Duell—New and improved churn. May 6, 1846.
William McLean—Revolving battery. May 26, 1846.
Jonas Philip Lee—Improvement in the method of constructing knitting looms. June 4, 1846.
Samuel S. Jones—Cooking stove. June 13, 1846.
Harrison Colby—Gas generator. June 22, 1846.
James Campbell—Towing machine, for towing vessels up rapids. June 22, 1846.
G. Warren Johnson—Hoisting Machine. June 24, 1846.
Gordon Warren Johnson—Improved hoisting machine. June 26, 1846.
Noah Shaw—Portable Grist Mills. August 3rd, 1846.
Charles Midgley—Planing machine. August 10, 1846.
Henry Ruttan—Hot air generator. August 23, 1846.
John Mills—Improved method of generating and distributing heated air. September 1, 1846.
Joseph Paradee—Revolving joint tooth horse rake. September 24, 1846.
Amos Tyler—Coupling machines for railroad cars, or self detachers. September 26, 1846.
Amos Tyler—New method for constructing bee-hives. September 26, 1846.
Amos Tyler—Snow excavator, for removing the snow from the track of rails. September 26, 1846.
A. Tyler—Spark arrester and extinguisher. Sept. 26, 1846.
George Riley—Stills for distilling and rectifying spiritous liquors. October 1, 1846.
Joseph Paradee.—A new method of constructing rakes for making hay and grain, called the improved revolving joint-tooth spring lever horse rake. Oct. 8, 1846.
John Mills—Hot-air furnaces. October 10, 1846.
William T. Barnes—Improved description of "tue iron" to be used in blacksmith's forges. October 21, 1846.
Stephen Mills—Improvement in constructing wooden bridges. Nov. 28, 1846.
Harrison Colby—New gas generator. December 12, 1846.
John Livingston—New description of water wheel. December 14, 1846.
Henry Ruttan—Inventor of a metal heater for houses, &c.; a cooking range, and hot-air, and vapour generator. December 15, 1846.

William McLean—Steamboat regulator. Dec. 17, 1846.
J. McLaren—Improved stump extractor. Jan. 11, 1847.
Daniel Cleal—New mode of setting boilers and arranging the flues for applying heat to the same, for steam engines. January 23, 1847.
Louis Lemieu—Machine for making wooden shavings, suitable for the fabrication of band-boxes for hats, matches, and cases of all descriptions. Jan. 25, 1847.
Henry Ruttan—Improved cooking range and hot-air vapour generator. January 27, 1847.
I. Carter—Hot air cooking and heating stove. Mar. 13, 1847
Jonathan B. Massey—New and improved method of constructing cisterns. April 3, 1847.
Horace H. Davison—Improved heelring for fastening the scythe to the snath. April 10, 1847.
Horace H. Davison—Improved double flue steam generator and boiler for locomotives, steamboats and other purposes. April 10, 1847.
Horace H. Davison—Improved portable lamp fluid. April 10, 1847.
Jason C. Gillett—Machine for cutting shingles, staves, veneres, &c. May 1, 1847.
Wm. Armstrong—Portable fire extinguishing machine. May 3, 1847.
J. Westman—Machine usually named bellows. May 9, 1847.
Sandford A. Fleming—New method of propelling locomotives. June 4, 1847.
Gilbert McMicken—Certain improvements in the use and application of the principle of the electro-magnetic telegraph. June 8, 1847.
Peter Fraer—New description of machine for churning. June 26, 1847.
Gilbert McMicken—Improvement in the method of constructing electro-magnetic telegraph. June 29, 1847.
Peter R. Beaupre—Improvement in the manner of making, using and working a lifting and floating marine dock. July 19, 1847.
James McGee—New and useful method of rotting hemp and flax by artificial means. August 6, 1847.
Peter Deal—Preparation for all kinds of oil paints, for house painting and other kinds of painting, and especially to be used with lead paints. August 7, 1847.
Melzer T. Thomas—Improved churn. August 14, 1847.
A. Adams—A revolver brick receiver. August 14, 1847.
James McGee—New method or process of rotting of hemp and flax by artificial means. August 14, 1847.
E. S. DeKottermund—Improvement in constructing grist mills.—Aug. 21, 1847.
E. S. DeKottermund—Flour sifters. August 26, 1847.
Thos. Brill—A screw right and left reversed water-wheel. September 3, 1847.
G. Fabes Prouse—Hot-air furnace. September 12, 1847.
Wm. Muir—New mode of constructing the bed plates of end working fire engines, and in the method of placing the supply and delivery valves of such engines. Oct. 27, 1847.
Michael Dyer—Shower-baths November 10, 1847.
Peleg Bowen—New coiled spring tooth revolving horse rake. December 13, 1847.
William Walsh—Horse collar. January 8, 1848.
T. Brown—Smut mill for cleaning grain. March 2, 1848.
James Baillie—Saw gates for saw mills. April 12, 1848.
Horace H. Davison—Double revertable flue steam generators and boilers. April 19, 1848.
William Partridge—Ditching machine. April 22, 1848.
John Butler—Improved machine for manufacturing bricks. May 2, 1848.
John McMichael—Improvement or addition to a stump extracting machine. May 26, 1848.
Antipas M. Byron—Hay rakes. June 19, 1848.
John Ritchie—Saw mills for slabing logs and sawing slabs. June 19, 1848.
Henry Ruttan—Discoverer of the true philosophical principles upon which buildings may be ventilated; and also of machinery by which the ventilating air may be warmed. June 23, 1848.
John Helm—Certain improvements in the construction of mills for the manufacture of lumber with circular saws. June24, 1848.
Angus McQueen—Economical power machine or hydraulic force pump machine for raising buildings, stumps, &c. June 24, 1848.
Peter R. Lamb—Improved method of manufacturing glue. June 26, 1848.
Edward T. Jones—An improvement in the construction of four-wheeled carriages, to wit, a plan for facilitating the turning of the same in a short space. June 27, 1848.
Henry Ruttan—The Canadian ventilator. July 25, 1848.
Reuben P. Cotton—Improvement on Buck & Hathaway's patent cook stove. August 1, 1848.
R. P. Colton—Improved air-tight box stove. Aug. 1, 1848.
Nathan Wharton—New process for tempering and hardening the teeth of saws used for milling and other purposes. August 1, 1848.
Charles Midgley—New and improved paddle wheel for steam boats and horse boats, and for propelling vessels. August 10, 1848.
George P. Warren—A useful method of constructing the apparatus for taking of the friction of the axle of a bell, and for making the tongue of a bell strike the top when elevated. August 14, 1848.
Walter Perkins Newman—Hydro-pneumatic water wheel. September 5, 1848.
Martin Pierce—Washing machine for washing clothes, &c. September 15, 1848.
James Stuart—Improved method of constructing horse power to be applied to thrashing machines and other descriptions of machinery. October 14, 1848.
O. LaGrange—Carriage and waggon wheel. Nov. 6, 1848.
Peleg Bowen—Coiled spring tooth revolving horse-rake. November 14, 1848.
Walter H. Wells—Aeroform or atmospheric churn. November 17, 1848.
John. P. Bostwick—Office sliding calendar. Nov. 20, 1848.
Patrick McQuilkin & Joseph Henry—Improvement in the machinery of ship's windlass. January 20, 1849.
C. Midgley—New and useful paddle wheel for steam boats, horse boats, and for propelling vessels. Jan. 27, 1849.
Ananias Smith—Air distributor or grate. Jan. 30, 1849.
Nirum W. Rockwell—A limited horse swing. Feb. 5, 1849.
Elias J. Severance—Thrashing machines. March 6, 1849.
John Baird—Certain improvements in the arrangement and construction of the steam engine. May 5, 1849.
Elias J. Severance—Improvement in the manufacture of thrashing and winnowing machines. May 5, 1849.
Charles M. Tate—Improved method of raising and lowering weights. May 11, 1849.
Charles Midgley—Improved hinge. August 2, 1849.
Charles Midgley—New and useful saw-mill. Aug. 13, 1849.
C. Midgley—Improved accoucheurs assistant. Aug. 13, 1849.
Peter R. Higley—Improved churn called the propeller churn. Aug. 30, 1849.
Daniel Mandigo—Japan varnish called the chemical elastic japan varnish. August 31, 1849.
Charles M. Tate—New and improved method of raising and lowering weights. September 3, 1849.
John Angell Cull—Certain important inventions and improvements in the art of starch making, whereby the process is greatly improved, and rendered more certain and effectual. September 24, 1849.
Richard Tremain—Improved straw cutter. Sept. 24, 1849.
John Winger—Pump surpassing all others heretofore made, in utility. September 28, 1849.
John Gilmour—New method of constructing capstans, called and designated "Gilmour's Parent Capstan." Dec. 11, 1849.
William Arms—New and useful machine for tilling land, called the "Lion Plough." December 28, 1849.
Daniel Mandigo—Improved carriage spring. Jan. 22, 1850.
Daniel Mandigo—Improved plough, called "Mandigo's Improved Plough." Jan. 30, 1850.
Wm. Nixon—Improved drilling machine. Feb. 28, 1850.
James Henry Sampson—New and useful machine or apparatus for cutting men's boots, and determining with accuracy the situation of the spring in centre upon which the foot moves. March 6, 1850.
Thomas Penney—Improvement in the process of tanning leather. March 6, 1850.
Alexander Carpenter—A portable and stationary safe for holding ashes. March 13, 1850.
I. Carter—Improved summer and winter ventilating air stove. March 13, 1850.
David P. Bonnell—An improvement in the process of grinding and manufacturing wheat and other grain into meal and flour. March 20, 1850.
Alfred Wilbur—A materially improved heater of water and other liquids. March 20, 1850.
Norbert St. Onge—Machine called "Saint Onge's Stump Extractor." March 22, 1850.
Alfred Wilbur—An improvement in cooking stoves. March 27, 1850.
W. R. Seaver—Seaver's improved stave dresser. April 2, 1850.
W. R. Seaver—Seaver's improved stave joiner. April 2, 1850.

Alexander Fleck—Fleck's new and improved plough, or subsoil grubber—May 25, 1850.
John C. Lloyd—Obstetrical supporter. May 27, 1850.
L. Howick—Improvement in fanning mills. May 27, 1850.
Albert Bennett—Self-protecting bee-hive. June 12, 1850.
Jacob Barnes—An apparatus serviceable as a blast regulator, applicable to smith's forges. June 13, 1850.
James Trehearne—Portable saw-mills, for sawing timber. June 27, 1850.
James R. Armstrong—Cooking stove. June 28, 1850.
L. Houck—Improvement in Fanning Mills. July 22, 1850.
John Counter—Manufacturer of Stoves of a new pattern, and on a new principle, discovered and invented in this Province by one Charles Tripp, a citizen of the United States of America. August 26, 1850.
James Maclaran—Tile for covering houses and other buildings. October 5, 1850.
Henry Trout—Improvement in the principle of propelling locomotives along inclined planes, and also in the wheels of locomotives, and rail for railroads, by means of which locomotives can be propelled along inclined planes. October 7, 1850.
David Kidd—Portable grist mill. October 14, 1850.
Saml. Hurlbert—Improvement in the agricultural plough. October 17, 1850.
Oliver Tilany—Certain improvements in apparatus for warming air for warming houses and ventilating houses and other inhabited apartments, for green-houses, grain, fruit, malt-drying and other kilns and other uses. Oct. 30, 1850.
Charles Midgley—The spark killer and heat retainer. Nov. 2, 1850.
Ithamar P. Smith—New and improved combination of machinery for a cutting-box for cutting straw, hay, or stalks. December 7, 1850.
Thomas Hewson—Improved method of making horse-shoes. December 9, 1850.
James Hamilton—An improved plough. Dec. 13, 1850.
Eusebe Dupont—New and improved pump. Dec. 17, 1850.
Daniel Mathias Lamb—Improved machine for making nuts and washers. December 23, 1850.
George Fabes Prowse—The Prowsonian hot-air cooking range or furnace. Jan. 7th, 1851.
George Hooper Mead—Improved method of constructing piano fortes. January 8, 1851.
William Grimn—A clover-seed gatherer. Jan. 9, 1851.
Joseph Watson—An improvement on an old patent bedstead for the sick and wounded. Jan. 31, 1851.
John Hearle—Improvements on engine pumps and fire-engines. Jan 31, 1851.
John Darling—A new and useful composition to be used as a soap for the saving of labour in washing clothes. Jan. 31, 1851.
Henry Ruttan—A machine which he calls a ventilating stove, and also of the means by which the ventilating air may be made to circulate under a floor and between the joists. January 31, 1851.
James Kent Grimn—Several important improvements in cooking stoves, and in the method of applying and using heat for cooking purposes. March 13, 1851.
William Holton—New kind of plough. March 15, 1851.
John Angel Cull—Certain machines which he calls a rouser and bran washer, to be used in the manufacture of starch. March 17, 1851.
John Angel Cull—Certain improvements in the method of making starch. March 17, 1851.
John Kiely—New kind of suspension truss, to be applied in constructing bridges and roofs. March 22, 1851.
A. J. Thompson—New and useful improvement upon the plough. March 24, 1851.
W. J. Holmes—New and useful improvement on the method of applying the heat generated in stoves or fire places to the purpose of warming apartments or houses. April 12, 1851.
Thomas S. Fox—A rabbeted complete revolving air and water tight joint. April 12, 1851.
James Rogers Armstrong—New and improved cooking stove, to be called "The Giant Cooking Stove." April 17, 1851.
John Rourke—Self-acting ribbed warp knitting looms. May 1, 1851.
Thomas Hewson McLean—New shape of bar-iron for horse shoes. May 1, 1851.
Daniel Mandigo—New and improved method of cutting hay, straw, chaff or other vegetable food for cattle. May 2, 1851.
Chester Shattuck—Cross-cutting machine. May 21, 1851.
J. H. McKenzie—New mode of constructing a cider-mill and press. June 16, 1851.
Sherman S. Jewett—Improved iron stove for heating rooms and for other purposes. June 16, 1851.
Edwin Jenney—New and useful machine for cutting and sawing staves with unprecedented rapidity and correctness. June 16, 1851.
Roswell Tompkins—New and useful machine for separating and cleaning wheat and other grain. June 16, 1851.
Thomas J. Fuller—New and improved cooking stove, to be called "The Salamander Cooking Stove." June 18, 1851.
Charles Lemon—New and improved plough, which he calls a double iron beam plough. June 24, 1851.
C. Palmer—Improved weighing machine. June 30, 1851.
Geo. Hawley—Shingle-making machine. July 4, 1851.
Henry Markle—Certain improvements in the construction of agricultural plough. July 12, 1851.
James Trehearne—New method of running the perpendicular saw for sawing timber. August 21, 1851.
Isaac Carter—Cooking stove, the hot air from which is by him now for the first time successfully applied to heating purposes. August 21, 1851.
Reuben P. Colton—New and improved method of constructing cooking stoves as exemplified in what he calls "The Brockville air-tight cook stove." Sept. 8, 1851.
Benjamin Fuller—New and improved whirlpool wheel or pressure water power. November 6, 1851.
Thomas J. Fuller—New and improved machine called the "Excelsior cylindrical thrasher;" also, a new and useful machine called "The Excelsior horse power." Nov. 6, 1851.
William Coleman—Circular and straight moulding, rabbeting, ploughing and architrave machine. Nov. 6, 1851.
Peter R. Lamb—New and improved machine for the manufacture of laths. November 6, 1851.
Peter R. Higley—New and improved machine for cutting hay and straw. November 6, 1851.
Thomas Mills—New method of constructing carriages and other vehicles by which they are enabled to turn in much less space than formerly. November 25, 1851.
James Maclaren—Improved mode of making bricks and architectural ornaments. January 8, 1852.
Joseph Pagnuelo—Improved furnace. Jan. 8, 1852.
Prudent Nicol and Thomas Nicol—Improved thrashing mill. January 14, 1852.
Nevens Jones—New and useful improvement in the construction of waggons, combining the springs and coupling. January 19, 1852.
Alexander Anderson—Certain improvements to a machine called a grain separator. January 19, 1852.
James Anderson—New and useful plan of building houses. January 19, 1852.
Asa Willard—Butter machine. January 23, 1852.
Justus S. Jones—New and improved method of constructing carriages. March 20, 1852.
Charles Dawson—Improvements in the manner of working Mulay saws and the machinery attached thereto. March 20, 1852.
Charles Lemon—New and improved method of constructing ploughs. March 31, 1852.
Samuel Cutter—New and improved apparatus or lamp for burning benzole or hydrocarbons. April 19, 1852.
William Perry—Direct action fire engine. April 30, 1852.
Horatio A. Rockwell—New and useful method of constructing yokes for oxen. May 8, 1852.
Thomas C. Gregory—Self-acting apparatus for disconnecting the carriages of a railway train from the tender upon the engine leaving the rails. May 28, 1852.
Peter Murdock—Improvement in the composition and form of wheels for all kinds of carriages. May 28, 1852.
Louis Lemoine—New and useful improvement in the manufacture and construction of steam generating apparatus. June 9, 1852.
Benjamin Gumear—Churn called the reciprocating churn. June 15, 1852.
Lawrence Hager—New and useful improvement to the seed drill, &c. June 30, 1852.
Lawrence Hager—Increasing twist and curvilinear mould board for Canadian ploughs, on the principle of a continuous increasing curvilinear twist from the point of shear to the back end and on sole of mould board. June 30, 1852.
Abram Longbottom—New and useful mode of purifying illuminating gas. July 29, 1852.
Robert Might—R. Might's portable, horizontal and self-acting sawing machine. August 10, 1852.
Samuel Andres—New and scientific mode of constructing flues or chimneys. August 12, 1852.

George William Lester—Improved draft and damper box smoothing iron. August 24, 1852.
John Rourke—Millstone pickers. August 24, 1852.
Edward Trenholm—Trenholm's elevator. Aug. 26, 1852.
Thomas J. Fuller—New and useful improvement in Mulay saw mills. August 31, 1852.
R. Lossing—Washing and churning machine. Aug. 31, 1852.
James K. Griffin—Several new and useful improvements on cooking stoves. September 7, 1852.
Samuel Hurlbert—Improvement on the plough for which he has already obtained a patent, dated 17th October, 1850. September 20, 1852.
Alfred Gifford—New and useful improvement on a machine for cutting straw, patented to Richard Tremain the 24th September, 1849, and now owned by Lonson Butterfield, of the village of Oshawa, county of Ontario. September 20, 1852.
George M. Sperry—Improved method of constructing corn crackers. September 21, 1852.
Edward C. Ennis—Machine for making carriage wheels. September 30, 1852.
H. Bernier—New and improved cooking stove. Oct. 5, 1852.
Samuel I. Russell—New and improved harrow. Oct. 8, 1852.
Charles Gosselin—New and useful improvement in the mode of constructing double stoves. October 13, 1852.
Joseph Paradis—New and useful improvement in the method of constructing thrashing machines. Oct. 15, 1852.
Charles Midgley—Improved churn. October 27, 1852.
Charles Midgley—Improved bee hive. October 27, 1852.
William Brown—New and useful improvement in making grain rakes. November 6, 1852.
Frederick Tihany—New and improved apparatus for warming air, and for warming and ventilating houses and other inhabited apartments. November 6, 1852.
Patrick Flinn—Compound action water wheel. Nov. 8, 1852.
George Stacy—New and useful method of constructing spike machines. January 20, 1853.
William Affchin—Improved scythe holder. Jan. 26, 1853.
G. Ansley—Centrifugal and centripetal churn. Feb. 8, 1853.
Ezekiel Burley—Improvement on the wooden plough. February 14, 1853.
Daniel Mandigo—New and useful improvement in the construction of lightning rods. February 16, 1853.
Albert Rounds—New and useful improvement in the construction of lightning conductors. February 16, 1853.
Peter R. Higley—New and improved machine for cutting hay and straw. March 7, 1853.
Aretus A. Wilder—New and useful machine for planing, tonguing and groving boards. March 7, 1853.
Peter Murdock—New and improved running gear for vehicles. April 15, 1853.
George Anslay—Portable hot-air furnace and cooking stove. April 15, 1853.
James Russell—New and useful machine called Russell's corn crusher. April 15, 1853.
Peter Murdock—New and improved seed drill to be attached to a plough. April 15, 1853.
Charles Lemon—Improvement in construction of ploughs. April 15, 1853.
Charles H. Tetu—New and useful process of manufacturing leather from the skin of the whale or porpoise. April 16, 1853.
Charles H. Tetu—New and useful mode of manufacturing whale and porpoise oil. April 16, 1853.
Joseph Paradis—Useful improvement in the construction of thrashing machines. April 29, 1853.
William C. Ruttan—Improved gun barrel and projectile. April 29, 1853.
Edmund Richard—Machine for sawing straight and crooked wood of equal and unequal dimensions. April 29, 1853.
David Bell—Press or machine for the manufacture of earthenware, pipes and draining tiles. April 29, 1853.
Joseph Plamondon—Machine for cutting tobacco, without moistening it. April 29, 1853.
Daniel P. Brigham—New and useful improvement in the construction of fanning mills. April 29, 1853.
Asaph Buck—Self-gigging, self-setting and self-regulating saw-mill. April 29, 1853.
John Dean—Double reflector for baking purposes. April 29, 1853.
Daniel Smith—New and improved carriage and feeding and gigging-back-works for steam and water saw mills. May 11, 1853.
Zenas Everitt—Improved ladder. May 12, 1853.
William A. Holwell—Improvement in the construction of reins or bridles to be called the Duplex safety rein. May 12, 1853.
Joseph Woods—New and improved cant hook for piling and otherwise handling and disposing of railway iron bars. May 28, 1853.
Benjamin F. Tibbetts—Improved mode of constructing steam engines. June 11, 1853.
Nirum W. Rockwell—Limited horse swing. June 11, 1853.
Charles W. Smith—New and useful improvements in the construction of harvesting machines. June 20, 1853.
John Morley—Improved mould-board for ploughs. June 20, 1853.
Jackson McIntyre—File-cutting machine. June 20, 1853.
Charles S. Rodier—New and useful improvement in the construction of trashing machines. June 20, 1853.
John W. Armstrong—New and useful improvement in the construction of ploughs. June 21, 1853.
J. Handford—Improved threshing machine. June 21, 1853.
Calvin P. Ladd—Metallic burial case. July 8, 1853.
Robert Thomas—Paddle box tubular raft. July 19, 1853.
Alexander S. Walbridge—New and useful machine for sawing and planing, by one operation, of all lumber. July 20, 1853.
Geo. Urquhart—Improvement in metallic carriage springs, called "The Urquhart elliptic springs." July 20, 1853.
Wm. J. Spence—Self-adjusting paddle wheel. July 26, 1853.
Alexis Robitaille—New and improved apparatus and method of working for, obtaining, and producing gas for the purposes of illumination, from rosin and oil, and other substances of like nature, and from the decomposition of water. September 2, 1853.
John Dean—Improvement in the mode of constructing the double reflector for baking purposes, invented by him, for which letters patent were issued on the 29th April, 1853. September 7, 1853.
Alexander Anderson—New and useful machine for planting potatoes. September 15, 1853.
Masa B. Southwick—New and useful apparatus for, and method of, crushing, drying, and otherwise preparing potatoes and other vegetable substances as well as fruits and meats, for the purposes of food. Sept. 15, 1853.
Lewis Reese—New and useful improvement in the manufacture of straw-cutting machines. September 19, 1853.
Alexander Turnbull—New and useful improvement in the construction of Canadian ploughs. October 5, 1853.
Nathan Buchanan—New and useful apparatus for, and method of desiccating lumber and other materials. October 6, 1853.
Robert E. Stephens—New and improved excavator for the purpose of cutting or excavating and moving clay, sand, gravel or other substances. October 6, 1853.
John Parsons—Improved machine for making bricks. October 6, 1853.
John Parsons—Apparatus for the purpose of cleansing or drawing off beer from the fermenting tuns. Oct. 13, 1853.
Dalrymple Crawford—Improved machinery for arresting the progress of railway trains. October 15, 1853.
Isaac Modeland—New and useful improvement in the construction of ploughs. October 19, 1853.
Jacob Wood—New and useful improvement in the present mode of constructing churns. February 2, 1854.
Levi Howell—New and useful improvements in the construction of the cider mill and press. Feb. 2, 1854.
J. T. Forbes—Improved elevating bedstead. Feb. 2, 1854.
William Bowman—Improvement in railway cars and carriages. February 2, 1854.
Lewis Armsbury—New and useful improvement in the construction of churns. February 2, 1854.
Stanislas Kwesneski—Prize hot-air and cooking furnace. February 8, 1854.
George Dunham—Improved method of running paddle wheels. February 11, 1854.
Antoine St. Jacques—New and useful improvement in the construction of post augers. February 22, 1854.
John Winer—New and useful improvement for heating air for warming apartments by the waste heat of a stove or other fire grates, to be denominated "Winer's pyrpneumatic fire grate. March 22, 1854.
Benjamin Cole—New way of closing shop window shutters. March 23, 1854.
Hiram Scovell—Cider mill and press. March 28, 1854.
William H. Soper—Improvement in the grooving and inside finishing of rifle barrels. March 28, 1854.
Lewis Reese—New and useful improvement in the construction of a machine for cutting hay or straw. March 30, 1854.
George Williston—New and useful machine for straightening or curving rails. April 4, 1854.
Pierre Gauvreau—New and useful cement to be called "Gauvreau's Canadian hydraulic cement." April 5, 1854

Jonas P. Lee—New and useful improvement in a machine called "Double acting knitting machine." April 10, 1854.

John H. Charnock—New and useful machine for moulding all descriptions of tiles, pipes and bricks for drainage, sewerage, building or other purposes, from clay or other plastic substances. April 17, 1854.

Peter Murdoch—Compound carriage so constructed as that all kinds of wheel carriages may be converted into sleighs. April 18, 1854.

Peter Murdoch—Improvement in double dash churn. April 18, 1854.

R. Lossing—Rolling screen fanning mill. April 21, 1854.

John Parsons—Apparatus for cooking, for bakers' ovens, for drying and roasting malt and other vegetable produce, seasoning timber, drying room with self-acting ventilator, for laundries, hatching poultry, heating irons, and keeping cooking provisions hot by the application of gas. April 28, 1854.

Joseph Thirkell—Improvements in the forming, shaping and casting of iron ploughs. May 29, 1854.

Benjamin Walt—Combination of machinery for the making of barrels, kegs, tubs and other bilge works. June 6, 1854.

Joseph Scobell—New and improved method of manufacturing peat-bog, by drying, pressing and cooking for fuel and other purposes. June 7, 1854.

Daily Seleck—New and useful improvement in the construction of churns. June 14, 1854.

Joseph Scobell—New and improved method of covering roofs with slate. June 14, 1854.

Richard D. Chatterton—Floating gangway, boat launch and life raft. June 19, 1854.

R. Hoyt—Improved obstetrical supporter. June 29, 1854.

William J. Huckett—Improved signal light for railways. June 30, 1854.

Richard Muchall—Machine for working irregular surfaces, so as to form a piece of timber to any required shape. July 13, 1854.

Thomas Murgatroyd—New and useful improvement on carriages. July 21, 1854.

John Brown—Seed sower. July 21, 1854.

D'Arcy Porter—New and improved sewing machine. July 21, 1854.

John Pye—New and improved method of constructing water closets. August 14, 1854.

Stephen R. Andres—New art of manufacturing paper from the plant known by the Linnean-generic name of Gnaphalium, and vulgarly called cud-weed or life-everlasting. August 25, 1854.

Michael Egan—New and improved mode of making moulds for copper, brass and composition castings. Aug. 26, 1854.

John H. Gatis—New and useful improvement in the apparatus for cleaning and scouring wheat, rye and buckwheat. August 28, 1854.

Joel B. Hayden—Improved hub for carriage and waggon wheels. September 4, 1854.

William Nixon—Potato and seed drill. Sept. 4, 1854.

John Brown—Improved straw cutter. September 4, 1854.

Henry Miller—New and useful machine for expeditiously arresting the progress of railway cars by almost sudden steam brakes. September 19, 1854.

Lewis B. Carpenter—Improved hand-lantern. Oct. 6, 1854.

Henry C. Lindo—New and useful process for depriving hides and skins of the hair, wool fur or bristles, preparatory to being tanned. October 19, 1854.

Robert Romaine—Certain improvements in machinery or apparatus for effecting agricultural operations. October 19, 1854.

Robert E. Stephens—Improved bedstead. Oct. 20, 1854.

J. H. Gatis—Central discharge water-wheel. Oct. 28, 1854.

Charles DuBerger—New mode of preventing railroad cars from running off the track or rail, consisting of a safety-hook. November 7, 1854.

Samuel Cutter—New and improved method of making gas and applying it to, and for the purpose of illumination, or heating, &c. November 7, 1854.

Charles H. Waterous—Machine for making nuts and washers from a heated bar of metal. Nov. 8, 1854.

Leon A. Lemire—New polishing buff called the wheel or hand buff, for daguerreotype purposes. Nov. 14. 1854.

Robert Thomas—Machine for clearing snow from off railway tracks, to be called "Thomas's snow exterminator." November 30, 1854.

James B. Smith—New and useful improvement in the construction of portable or stationary steam or water mills. December 6, 1854.

Rodolphus Lounsburg—Canadian thistle-killer and cultivator. December 8, 1854.

Alexander Anderson—Potato digger. December 13, 1854.

William Bowman—New and useful improvements in the construction of railway cars. January 12, 1855.

Homer P. Brown—Improvement on the chaff cutter or cutting box. January 19, 1855.

John Helm, the younger, and John Wade—Machine for boring holes in the ground for fence posts or other purposes. January 20, 1855.

Ruth Adams—Reverse cooking stove. January 20, 1855.

William Fitzpatrick—Certain improvements in nail machine feeder. January 20, 1855.

James Overholt—Horizontal sawing machine for cross cutting logs of wood. January 20, 1855.

Benjamin McBeth—Longitudinal motioned fanning mill. February 3, 1855.

Henry Cowing—Certain improvements upon machinery. February 8, 1855.

Jacob Plugle—Potato digger. February 8, 1855.

John McDougall—Cooking and boiling apparatus. March 6, 1855.

Thomas S. Fox—Switching apparatus, &c. March 6, 1855.

Alexander Anderson—Improved cultivator. March 6, 1855.

Leonard Robinson and James Woolbridge—Safety lever buckle. March 13, 1855.

A. Palmer—New & useful reaping machine. March 13, 1855.

Henry Markle—New and improved double dasher churn. March 15, 1855.

Charles Petch—Improvements in machinery for manufacturing waggon spokes and other articles irregular in their form. March 22, 1855.

James Atkinson—Improvement upon the drill and broadcast sowing machine. March 22, 1855.

William Fitzpatrick—New and useful improvements in nail machine feeders. March 22, 1855.

Henry Sewell—New and useful machine for picking oakum. March 22, 1855.

Dalrymple Crawford—Improved machinery for filling steam boilers with water. March 21, 1855.

Michael Egan—New and improved method of oiling car journals. March 27, 1855.

Samuel Darling—Art of raising sunken vessels or other objects, by means of buoys and weights. April 5, 1855.

Charles Dorion—New and improved method of constructing cutters, for the purpose of racing. April 10, 1855.

Nicholas Lacroix—New and improved water wheel, called "Turbine helicoide." April 10, 1855.

A. D. Cole—New and useful water wheel. April 10, 1855.

Thomas D. Flood—New and improved method of constructing that part of the action of a pianoforte called the hopper. April 10, 1855.

Charles S. Rodier—New and useful machine for sawing wood. April 10, 1855.

Abraham Steers—New and improved method of quick tanning. April 20, 1855.

A. Steers—New and improved method of manufacturing the dye, saccharine salts or extracts of vegetable substances, without the usual evaporation. April 21, 1855.

John Williams—New and useful improvement in the blast of locomotive engines. April 24, 1855.

Samuel Morse—Improved plough. April 28, 1855.

William Holborn—Washing machine. April 28, 1855.

Joaiah, James, and John Dennis—Washing machine. May 4, 1855.

Eli B. Hungerford—Cast iron fastener for the putting together of posts and rails of bedsteads. May 8, 1855.

James B. Young, Richard S. Brown, and Henry Davis—New and useful invention for propelling boats against the wind, and in all directions with the same wind. May 9, 1855.

Isaac G. Ogden—New and useful improvement in the construction of water wheels. May 15, 1855.

William Bowman—New and useful mode of constructing railway car wheels. May 15, 1855.

William Niblock—Improvement in the manner of constructing horse rakes for raking hay. May 26, 1855.

Jonas P. Lee—Round rotary or circular knitting loom. May 28, 1855.

Robert Pooler—New and useful improvement in the construction of a breech loading fire-arm, either rifle or smooth bored. June 4, 1855.

Ruther McDougall—Improved oil box for oiling axles of rail car wheels. June 8, 1855.

Jacob Barnes—Reciprocal acting pump. June 14, 1855.

James B. Young, Richard S. Brown and Henry Davis—Self-opening railway gate. June 14, 1855.

MUNICIPALITIES, CANADA WEST.

In the following compilation will be found all that is either useful or important, relative to the Counties and Union of Counties in Canada West. Similar information was applied for to the municipal authorities of Canada East, but could not be obtained sufficiently full for publication, owing to the new Municipal Act of Lower Canada coming so recently into force; the Compiler, however, tenders his sincere thanks to all those gentlemen in Lower Canada, who so kindly afforded him such information as was in their power. For the lists of Magistrates, we are indebted to the courtesy of the Provincial Secretary, who remarks:—"I have not specified in the list the Magistrates who have qualified, as it would not have been in my power, from the returns sent to this office, to have given you a perfectly correct statement in that respect." We would also mention that the names of those who have died since their appointment, have not in all cases been left out; but errors of this kind have been corrected as far as the means at our command permitted.

1.—Brant.

Acres—1,218,852.
Population in 1852—25,126.
Assessed Value in 1855—£1,255,129.
Liabilities—None.

County Officials.

Warden—Allen Good, Brantford.
Treasurer—Hamilton Biggar, Brantford
Registrar—T. S. Shenstone, Brantford.
Clerk—John Cameron, Brantford.
Solicitors—Cameron & Rubridge, do.
Judge Co. Court and Chairman Quarter Sessions—S. J. Jones, Brantford.
Sheriff—John Smith, Brantford.
Clerk of Peace—J. Cameron, Brantford.
Clerk of Co. Court and Deputy Clerk of Crown, Duncan Cameron.
Judge Surrogate—Stephen J. Jones, Brantford.
Deputy Registrar Surrogate—Walter Rubridge, Brantford.

Clerks of Division Courts.

Division I.—Henry Racey, Brantford.
Division II.—John A. Penton, Paris.
Division III.—S. Stanton, St. George.
Division IV.—W. M. Whitehead, Burford.
Division V.—James Malcolm, Scotland.
Division VI.—T. Butler, Tuscarora.

County Town.—BRANTFORD.

Chief Magistrate—William Mathews, Brantford.
Clerk—George Varey, Brantford.
Population—5,800.
Assessed Value in 1855—£40,321.
Taxes per £ Annual Value—3s.

Municipalities.

Townships—Brantford, Burford, Dumfries South, Oakland, Onondaga, Tuscarora; Towns of Brantford and Paris.

Magistrates.

Jones, Stephen James, Brantford.
Stanton George, South Dumfries
Moyle, Henry, Brantford Township.
Wilkes, John Asten, Brantford Town.
Digby, Alfred, do.
Cook Abraham, do.
Capron, Hiram, Paris.
Christie Robert, South Dumfries.
Smith, Abraham K., Brantford Town.
Smith John, Paris.
Biggar Herbert, Brantford Township.
Wyld James C., do.
Shenstone Thomas S., do.
Malcolm, Eliakim, Oakland.
Toyne, John, do.
Eddy John, do.
Daniels, Lawrence, Burford.
Perley Charles S., do.
Foster Alonzo, do.
Oswald, James, do.
Beemer, George, do.
Horner, Henry, do.
Malcolm, James, Oakland.
Chapin, Charles, do.
Thompson, Wm., do.
Finlayson, Hugh, Paris.
Totten, Daniel, do.
Spottiswoode, Alex. Paris.
Hamilton, Norman, do.
Anderson, Daniel, South Dumfries.
Mullen William, do.
Roy, William, do.
O'Niel, Daniel, do.
Latshaw, Henry, do.
Sharp, James, do.
Cope, David, do.
Kitchin, Edward, do.
Burt, Robert, do.
Smith, Carleton C., do.
Beemer, Joseph, do.
Burnet, Arthur, do.
Clement, Joseph D., Brantford Town.
Kirkland, Alexander, do.
Cockshutt, Ignatius, do.
Huntingdon, Arnnah, do.
Strobridge, Richard R. do.
Dalton, Joseph, do.
Sproule, Robert, do.
Muirhead, William, do.
Moore, John Henry, do.
Wilkes, James, do.
Smith Arthur, Onondaga.
Soules William D., do.
Conboy, Thomas, do.
McNaughten, Dan. do.
Algar, William N. do.
Kelly, Alpheus, J., do.
Butler, Thomas, do.
Hill, Amos, Brantford Township.
Campbell John, do.
Batson, Thomas D., do.
Smith, George, do.
Weaver, Peter, do.
Brown, David, do.
Hawley Harvey, do.
Tufford, John, do.
Maxwell James, do.
Griffin, Nathaniel F., do.
Tapley, Samuel, do.
Cook, Thomas, do.
Phelps, Hiram, do.
Chapin Lyman, do.
Smith, Thaddeus, do.
Keith, James, do.
Muir Robert, Burford.
Horner, Thomas, do.
Smith, Russell, do.
Kelly John, do.
Kerby William, K. do.
Ross, Hervey, do.
Hedges Charles, do.
Kinney Hiram, do.
Vanderlip, Edward, Brantford Town'p.
Likins, John, do.
Lampkins, John, do.
Hawley, Abraham, do.

Wilkes, John A., Brantford.
Digby, Alfred, do.
Smith, Abraham K. do.
Clement, Joseph D. do.
Steele, John, do.
Kirklands, Alexander, do.

2.—Carleton.

Acres—574,520.
Population—31,882.
Liabilities—£699 10s. 4d.
Amount of Debent. issued—£464 17s.

County Officials.

Warden—Joseph Hinton, Richmond.
Treasurer—Daniel O'Conner, Ottawa.
Registrar—Edward Sherwood, Ottawa.
Clerk—Charles H. Pinhey, Ottawa.
Solicitor—John Bower Lewis, Ottawa.
Surveyor—Isaac Mactaggart, Ottawa.
Judge County Court and Chairman Quarter Sessions—Christopher Armstrong, Ottawa.
Sheriff—Simon Fraser, Ottawa.
Clerk of Peace—F. C. Powell, Ottawa.
Clerk of Co. Court and Deputy Clerk of Crown—H. J. Friel, Ottawa.
Judge Surrogate—Christ. Armstrong.
Registrar Surrogate—H. J. Friel.

Clerks of Division Courts.

Division I.—George R. Burke, Ottawa.
Division II.—J. A. Bryson, Richmond.
Division III.—John Fenton, Huntley.
Division IV.—Wm. D. Pigott, Fitzroy Harbour.
Division V.—W. Cowan, North Gower.
Division VI.—Thomas Baillie, Osgoode.

County Town.—OTTAWA.

Chief Magistrate—John Bower Lewis.
Clerk—William P. Lett.
Population—Above 10,000.
Assessed Value, 1855, £38,805 12s. 5d.
Taxes per £ Annual Value, 3s.

Municipalities.

Townships—Fitzroy, Gloucester, Goulburn, Huntley, March, Marlborough, Nepean, North Gower, Osgoode, Torbolton; City of Ottawa and Village of Richmond.

Magistrates.

Armstrong, Christopher, Ottawa.
Eastman, John, North Gower.
McDonell, Alexander, Osgoode.
Shirreff, Robert, Fitzroy.
Richey John, do.
Baker, George W., Nepean.
O'Connor, Daniel, Ottawa.
McNaughton, John, do.
Stevenson, James, do.
Stewart, William, do.
Chitty, John, do.
McLaren, David, Torbolton.
Campbell, William, Marlborough.
Bradly, William B., Huntley.
McArthur, Donald, Ottawa.
Thompson, William H., do.
Buckham, John, Torbolton.
Thomson, William, Nepean.
McNabb, John, Osgoode.
Hanna, Henry, do.
Robertson, John, Nepean.
Robinson, Nelson G., do.
Goodman, John G., March.
Hinton, Joseph, Goulburn.
Sumner, John, do.
Grant, Robert, do.
McBride, Henry, Huntley.
Manyon, John, do.
Lowry, Hamilton, Fitzroy.
Taylor, William P., do.
McDonell, Angus R., do.
King, George, do.
Smyth, William, Gloucester.

Bradley, Clements, Gloucester.
Nelligan, Patrick, do.
McNabb, Peter, Osgoode.
Cameron, Daniel, do.
Grant, Robert, do.
Hipplustall, Richard, do.
Burritt, George L., Marlborough.
McKie, William, do.
Bottum, Elijah, do.
Craig, James, North Gower.
Besserer, Louis T., Ottawa.
Barrelle, Jean, do.
Patterson, George, do.
Porter, John, do.
Lindsay, James, North Gower.
Thompson, John, do.
Collins, Dennis, Marlborough.
Hill, Hamnet, Ottawa.
Malloch, Edward, do.
Shillington, Thomas, North Gower.
McLachlin, Daniel, Ottawa.
Farley, Robert, do.
Workman, Alexander, do.
Scott, Alexander, do.
Beaubien, C., do.
Kennedy, Donald, do.
Friel, Henry S., do.
Wood, Leonard, Gloucester.
Bearman, Thomas, do.
Lang, George, do.
Allen, Arthur, Osgoode.
Kangley, Thomas, do.
Baker, Adam, do.
Dow, John, do.
McLellan, William, do.
Arnold, George, Nepean.
Byers, William, do.
Baine, George, do.
Davison, Samuel, do.
Fogerty, James, do.
Lyon, William R. B., Goulburn.
Lewis, Thomas, do.
Torney, John, do.
Henderson, James, do.
Sterne, James, Fitzroy.
Carss, Robert, do.
Wiggins, Thomas, March.
Smith, John, Torbolton.
Skeffington, Michael, Gloucester.
O'Meara, John, Ottawa.
Douglas, Archibald, do.
Sparrow, Charles, do.
Russell, Alexander J., do.
Coffin, William F. do.

Turgeon, Joseph B., Ottawa City.
Masse, Edward. do.
Varin, Eusebe. do.
Farley, Robert, do.
Bell, Robert, do.
Grant, Donald M., do.
Workman, Alexander, do.
McGillvray, Edward, do.
Foster, Archibald, do.
Burwash, Nathaniel, do.

3.—Elgin.

Acres—440,287.
Population in 1852—25,418.
Assessed Value—1855, £1,579,978.
Liabilities—37,000.
Amount of Debent. issued—£12,000.

County Officials.

Warden—Thomas Locker, Aylmer.
Treasurer—Henry Black, St. Thomas.
Registrar—John McKay, St. Thomas.
Clerk—William McKay, St. Thomas.
Surveyor—C. Fraser, Port Rowan.
Judge County Court and Chairman Quarter Sessions—D. J. Hughes, St. Thomas.
Sheriff—Colin Munro, St. Thomas.
Clerk of Peace—James Farley, St. Thomas.
Clerk of County Court and Deputy Clerk of Crown—Peter Murtaugh, St. Thomas.
Judge Surrogate—D. J. Hughes.
Registrar Surrogate—Peter Murtaugh.

Clerks of Division Courts.

Division I.—Simon Newcombe, Vienna.
Division II.—Wm. Cambell, Aylmer.
Division III.—J. Powell, St. Thomas.
Division IV.—William Harris, Iona.
Division V.—Finlay McDearmid, Aldborough.

County Town—St. Thomas.

Chief Magistrate—David Parish, St. Thomas.
Clerk—James Stanton, St. Thomas.
Population—2,500.
Assessed value in 1855—£182,143.
Taxes per £ Annual Value,—2s. 6d.

Municipalities.

Townships—Aldborough, Bayham, Dorchester South, Dunwich, Malahide, Southwold, Yarmouth; Town of St. Thomas and Village of Vienna.

Magistrates.

Hughes, David John, St. Thomas.
Dobbie, Andrew.
Wrong Gilbert, Malahide.
Wilson, Benjamin, Yarmouth.
Ermatinger, Edward, St. Thomas.
Hodgkinson, Philip, Malahide.
Munro George, Aldborough.
Bellairs, James P.
Robb, George, Southwold.
Burwell, Leonidas, Bayham.
Saxon, Alexander, do.
Fowler, Levi, Southwold.
McKenzie, Murdock.
Hanvey Daniel, St. Thomas.
Alexander, John, Vienna.
Edison Thomas.
Moore, Andrew, Bayham.
Cline, Jacob.
Coyne Thomas G., London.
Abel Daniel.
Davis, Wm. Hampstead, Malahide.
Harvey, Joseph, do.
Clayton, Peter, do.
Bentley, Randall.
King, Hooper, St. Thomas.
Hodge, Alexander.
Kent, John.
McKay, John, St. Thomas.
Southwick, George.
Hodge, Thomas.
Lanning John, Yarmouth.
Fordyce, Asa.
Johnson, Randolph, Yarmouth.
Ganson, Elisha S. Malahide.
Kepp, Jesse, Yarmouth.
Brown James, Malahide.
Haight, James.
Crawford, John Matthew, Vienna.
Thompson Bryce.
Bostwick, Joseph R., Yarmouth.
Paul, Eltham, St. Thomas.
Claris, George T., do.
Gustin, Henry A., Vienna.
Shore, William.
Bannerman, George.
Wrong, John W.
Clark, John, Dunwich.
Hutton, James.
Moore, Lindley.
Minor, Samuel.
Willey, Moses, Dunwich.
McPherson, Peter.
Gunn, Hugh, Dunwich.
Finn, James, South Dorchester.
Ross, William, St. Thomas.
Forsyth, John.
McLaughlin, James, Southwold.
Molloy, George, do.
Burns, Patrick, do.
Bobier Patrick, Yarmouth.
Cameron, Ewen, Southwold.
Locker Thomas, Malahide.
Moore, Martial Timothy, St. Thomas.
McIntyre, Hugh, Yarmouth.
Sells, William, Southwold.
McCall, Nichol, do.

4.—Essex.

Acres—433,300.
Population—16,817.
Assessed Value in 1855—£720,000.
Liabilities—£8,000.
Amount of Debentures issued—£8,000.

County Officials.

Warden—S. S. Macdonell, Windsor.
Treasurer—George Hullock, Sandwich.
Registrar—Col. J. Askin, Sandwich.
Clerk—J. H. Wilkinson, Sandwich.
Solicitor—J. H. Wilkinson, do.
Surveyor—P. S. Donnelly, do.
Judge County Court and Chairman Quarter Sessions—Alex. Chewett, Sandwich.
Sheriff—William D. Baby, Sandwich.
Clerk of Peace—Charles Baby, do.
Clerk of County Court—John McEwan, Windsor.
Deputy Clerk of the Crown—Pierre H. Morin, Sandwich.
Judge Surrogate—John A. Wilkinson, Sandwich.
Registrar Surrogate—James Askin.

Clerks of Division Courts.

Division I.—Joseph Mercer, Sandwich.
Division II.—Alanson Batsford, Amherstburg.
Division III.—J. King, Kingsville.
Division IV.—Gordon Buchanan, Colchester.
Division V.—J. Wigfield, Mersea.
Division VI.—F. Graham, Rochester.

County Town—Sandwich.
(Not Incorporated.)

Municipalities.

Townships. — Anderdon, Colchester, Gosfield, Maidstone, Malden, Mersea, Rochester, Sandwich, Tilbury West; Town of Amherstburg and Village of Windsor.

Magistrates.

Chewett, Alexander, Sandwich.
Elliott, Charles, do.
Duff, William, Amherstburg.
Prince John, Sandwich.
Wilkinson, John A., Sandwich.
Reynolds Robert, Amherstburg.
Sloan, John, Anderdon.
Morin, Pierre H., Sandwich.
Laliberte, Jean B., Malden.
Elliott, Robert B. do.
Caron, François, do.
Buchanan, John G., Colchester.
Bower, Martin, Gosfield.
Foster Ralph, Mersea.
Grant Duncan, Maidstone.
Gatfield, William, Anderdon.
Wright, Henry, do.
Woodbridge, Thomas, Sandwich.
Rankin, Arthur, do.
Cornwall, Charles, Colchester.
Brush, John, do.
Gravelin, Joseph, do.
Lidwell, Abner, do.
Forries, John, Jun., do.
Buchannan, Gordon, do.
Boyle, Thomas, do.
Hawkins, Thomas, do.
Dougall, James, Amherstburg.
Taylor, Peter. do.
Rheaume, Oliver, do.
Aldrich, Schyler, do.
Morehouse, Daniel, Gosfield.
Sheldon, Joseph. do.
Coatsworth, Joseph, do.

Sheldon, Waley, Gosfield.
Bruner, Abraham, do.
Grant, Duncan, Maidstone.
Ainslie, George, Mersea.
Maisonville, Olivier, Sandwich.
Strong, Josiah, Colchester.
Boydell, Leopold.
Langton, Dominique, Sandwich.
Paxton, Thomas, Malden.
Askew, Isaac, do.
Anderson, Robert, do.
Wilson, William, Rochester.
Malotte, Joseph, Gosfield.
Malotte, Theodore, Mersea.
Ambridge Frederick, do.
Ferris, Matthew, Colchester.
Banwell, Henry, Sandwich.
McLeod John, Malden.
McCormick, Alexander, Point au Pelee.
Park, Thomas F., Amherstburg.
Reynolds, Ebenezer, Malden.
Scratch, Peter, Gosfield.
Struthers, James, Maidstone.
Downing, Denis, do.
Cuthbertson, James, Sandwich.
McKwen, John, Windsor.
Wigle, Windle, Gosfield.
Wilkinson, Alexander, Mersea.
Wilcox Asa, Colchester.
Bell, James, do.
Wright, Philip S. do.
Redsdale John, do.
Bratt, Joseph, do.
Morin, Joseph, Amherstburg.
McKenny, Henry, do.
Bartlett, William, do.
Demai, Vital T., do.
Lafferty, Felix.
King, James, Gosfield.
Thompson, Lennox, Colchester.
Grenier, John B.
Noble, James, Jun., Amherstburg.
Kolfage, John G.
Bostford, Daniel, Anderdon.
Quick, Cornelius, Colchester.
Hunt, Charles, Windsor.
Hall, William G. Windsor.
Kennedy, Henry, do.
Crow, Henry John, Gosfield.
Salmoni, Thomas, Amherstburg.
Donaldson, Robert, Anderdon.
Peel, Spencer, do.

5.—Frontenac, Lennox, and Addington.

Acres—1,335,640.
Population in 1852—42,270.
Assessed Value in 1855—£1,759,000.
Liabilities—22,926, (including £18,100 taken by United Counties in Roads.)
Amount of Debentures issued—

County Officials.

Warden—D. Roblin, Napanee.
Treasurer—W. Ferguson, Kingston.
Registrar of Frontenac—James Durand, Kingston.
Registrar of Lennox and Addington—Isaac Fraser, Milhaven.
Clerk—George H. Detlor, Kingston or Napanee.
Solicitor — Thos. Kirkpatrick, Kingston.
Surveyor—D. C. Smith, Mill Creek.
Judge County Court and Chairman Quarter Sessions — K. Mackenzie, Q. C., Kingston.
Sheriff—Thomas A. Corbett, Kingston.
Clerk of Peace—J. Waudby, Kingston.
Clerk of County Court and Deputy Clerk of Crown—Peter O'Reilly, Kingston.
Judge Surrogate—George A. Cummings, Kingston.
Registrar Surrogate — Isaac Fraser, Milhaven.

Clerks of Division Courts.

Division I.—E. A. Burrowes, Kingston.
Division II.—Edward Wright, Bath.
Division III.—Edwin Mallory, Fredricksburgh.
Division IV.—O. S. Clapp, Napanee.
Division V.—W. Whelan, Centreville.
Division VI.—Edward Upham, Loughborough.
Division VII.—Peter McKim, Waterloo
Division VIII.—F. Selden, Tamworth.
Division IX.—Edwin Mallory, Fredricksburgh.
Division X.—Samuel Stewart, Spike's Corners.
Division XI.—Henry Pultz, Wilton.
Division XII.—Hugh Campbell, Storrington.

County Town—KINGSTON.

Mayor—O. S. Gildersleeve, Kingston.
Police Magistrate—Thomas W. Robison, M.D., Kingston.
Clerk—Michael Flanagan, Kingston.
Population—about 15,000.
Assessed Value in 1855, £78,436 1s. 6d.
Taxes per £ Annual Value—2s. 7d.

Municipalities.

Townships in Frontenac.—Barrie, Bedford, Clarendon, Hinchinbrooke, Howe Island, Kennebec, Kingston, Loughborough, Olden, Oso, Palmerston, Pittsburgh, Portland, Storrington, Wolfe Island, and City of Kingston.

Townships in Lennox—Adolphustown, Fredricksburgh, Richmond.

Townships in Addington — Amherst Island, Anglesea, Camden, Ernest Town, Kaladar, Sheffield.

Magistrates.

McKenzie, Kenneth, Kingston.
Fraser, Isaac, Ernest Town.
Church John, Fredericksburg.
Dorland Samuel, Adolphustown.
McPherson, Allan, Richmond.
Sampson, James, Kingston.
McKenzie, Colin, Bath.
Bombough Jacob, Camden.
Marks, John B., Pittsburg.
Hancox, Orton, Bath.
Clarke, Samuel, Camden.
Caton, Archibald, Richmond.
Casey, Samuel, Adolphustown.
McDonnell, Archibald, Sheffield.
Seymour, Benjamin, Bath.
Holditch, William, Loughborough.
Simkins, William, do.
Yeomans, Horace, Kingston.
Cowan, Alexander, Sen., Pittsburg.
Askew, Thomas, Kingston.
Wilson, William, do.
Mowat, John, do.
Beith, Duncan, do.
Asselstine, Michael, Ernest Town.
Fairfield, William Joseph, do.
Ruttan, Matthew, Adolphustown.
Dorland, Peter V., do.
Garrett, William, Kingston.
Sadlier, Henry, do.
Counter, John, do.
Harper, Francis A., do.
Asselstine John, Ernest Town.
Ham, Benjamin, do.
Smith, Darius, C. do.
Wilson, James, Richmond.
Schermahorn, Amos, do.
Cameron, Angus, Wolfe Island.
Huffman, Elijah, Camden.
Hawley, Joseph C. Fredericksburg.
Switzer, Elijah, Ernest Town.
Campbell, Samuel, Loughborough.
Miller, Cephas H. Camden.
Warner, Sidney, Ernest Town.
Roblin, David. Napanee.
Ashley John. Kingston.
Beamish, William, do.
Spring John. Loughborough.
Radcliffe, William, Amherst Island.
Scott, Thomas, do.
Benson John, Richmond.
Palmer Noble. Kingston.
Daverne, Richard, Adolphustown.
Esson, Robert, do.
Wright, Paul, do.
Ham, Richard, Fredericksburg.
Hayward, William, do.
Davy, Peter, Ernest Town.
Fisk, Milton, do.
Fraser, Charles, do.
Stewart Robert, do.
Bell, William, M., Camden.
Sisson, Edmond J., do.
McKinty, John, Amherst Island.
Howard Geo ge, do.
Bruce, Joseph, Kingston.
Brown, James W., Kingston Town p.
Denis, Thomas, Portland.
Purdy, Samuel D., Ernest Town.
Rourke, Matthew, Kingston.
Stewart, Neil, Sheffield.
Smith, Jacob, do.
Grier, John H., Kingston.
Williamson, James, do.
Robison, Thomas W., do.
Chamberlain, John, Fredericksburg.
Diamond William, do.
Grange William, Richmond.
Miller, Thomas, Camden.
Price, Thomas, do.
Keller, Frederick, Ernest Town.
Parks David, Fredericksburg.
Oliver, Frederick A., Richmond.
Miller, John, Ernest Town.
Outlvater, Belgat, Fredericksburg.
Gordanier John, Ernest Town.
Clarke, John C., do.
Ford, William, Jun., Kingston.
Fellows, Nathan, Ernest Town.
Waudby, John, Kingston.
Thibodo, Augustus, do.
Haines, John Josiah, do.
Ingersoll, Isaac. Fredericksburg.
Hardy, George H., Kingston.
Mallory, Edwin, Fredericksburg.
Waters, Bulkley, Loughborough.
Amey, Nicholas, do.
Clarke, Benjamin. Ernest Town.
Bowen James, Richmond.
Carruthers. John, Kingston.
Heath, Charles, do.
Anglen, Robert, do.
Coy, John, do.
Morley, Samuel, do.
Mathews, Robert, do.
Lenier, Peter, do.
Baker Thomas, do.
Briggs, Thomas, do.
Calvin, Dexter D., Wolfe Island.
Holden, Sylvester, Loughborough.
Madden, Hugh, do.
Rale, Thomas, do.
Ash, David, do.
Shibley, Edwin, Portland.
Lake, Denis, do.
Shibley, John, do.
Day, Absalom, do.
McKim, Peter, Kingston Township.
Wartman, Peter, do.
Campbell, James, Storrington.
Bond, Francis, do.
Shooner, Reuben, do.
Ferguson, William, Pittsburg.
Foster, Joseph, Camden.
Akins, George, do.
Whalan, William, do.
Lucas, Joseph, do.
Miller, George, do.
Stevenson John, do.
Dowling John, do.
Thompson, Robert, do.
Hawley, James F., do.
Lasher John, Ernest Town.
Davy, William H. do.
Timmerman, P. S., do.

Perry, Ebenezer, Ernest Town.
Booth, Philip D., do.
Fralick, Smith, do.
Neville, Mitchell. do.
Williams, Richard, do.
Sconten, Jacob, do.
Miller, John. Jun., do.
Priest, Ezra D. do.
Warner, Charles, do.
Sills, George E., Jun., Fredericksburg.
Hawley, Reuben C., do.
Huffman, Henry, do.
McGillivray. William, do.
Barnhart, John, do.
Aylesworth, John, do.
Forshee, Peter J., do.
McEwen, William, Sheffield.
Murphy John, do.
Clapp, Gilbert S., Richmond.
Martin, Robert, do.
McNeill, Archibald, do.
Chamberlain, George, do.
Beeman, Ira, do.
Haight, Samuel D., Adolphustown.
Curlett, Edward H., do.
Sweetman, William, do.
Dorland, John P., do.
Taggart, Joseph, Bedford.

Counter, John, Kingston.
Campbell, Alexander, do.
Flanigan, John, do.
Jenkins, John, do.
McCunniffe, Michael, do.
McDonell, Archibald J., do.
O'Reilly, James. do.

6.—Grey.

Acres—1,485,905.
Population—about 20,000.
Assessed Value in 1855—£500,000.
Liabilities—£7,474.
Amount of Debentures issued—None.

County Officials.

Warden—W. K. Flesher, Artemisia.
Treasurer—F. Le Pan, Owen Sound.
Registrar, Thomas Lunn, Owen Sound.
Clerk—George James Gale, do.
Solicitors—Patton & Creasor. do.
Surveyor—Charles Rankin, do.
Judge Co. Court & Chairman Quarter Sessions—Frederick T. Wilkes.
Sheriff—George Snider.
Clerk of Peace—William Armstrong.
Clerk of County Court and Deputy Clerk of Crown—Peter Inglis.
Judge Surrogate—Frederick T. Wilkes.
Registrar Surrogate—Peter Inglis.

Clerks of Division Courts.

Division I.—G. J. Gale, Owen Sound.
Division II.—W. Jackson, Bentinck,
Division III.—J. Williams, St. Vincent.
Division IV.—T. Rorke, Collingwood.
Division V.—G. Armstrong, Artemisia.

County Town—SYDENHAM.
(Not Incorporated.)

Municipalities.

Townships—Artemesia, Bentinck, Collingwood, Derby, Egremont, Euphrasia, Glenelg, Holland, Melancthon, Normanby, Osprey, Proton, St. Vincent, Sullivan, Sydenham.

Magistrates.

Wilkes, Frederick Thomas, Sydenham.
Brown, George, do.
Carney, Richard, do.
Frost John, do.
Jackson, George, Bentinck.
Hadden. Robert, Sydenham.
Lunn, Thomas, do.
Mc Laren, Arch. do.
Patterson, Robert, do.
Brown, Ezra. Sydenham.
Herriman, Nathaniel, Derby.
Neelands, William, do.
Mitchell, Thomas, Sullivan.
Watson, William, St. Vincent.
Corley, William. do.
Kerr, James, Euphrasia.
Williams, John, St. Vincent.
Stephens, Alexander, M., Sydenham.
Corbet, George, do.
Christie, David, do.
Horton, Thomas B., do.
Stephens, William, A. do.
Ross, James, do.
Cooper John, do.
Grierson Robert, do.
Riely, Henry, do.
Inglis, Peter, Derby.
Cardwell, Henry, Holland.
Sproule, John, do.
Halliday, William, Sullivan.
Jackson, David, Glenelg.
McNab, Alexander, B., do.
Allan, Thomas, Bentinck.
Legate Samuel, E., do.
Brown, James, Egremont.
Rogers, Benjamin, do.
Bates, Henry, Melancthon.
Armstrong, George, Artemesia.
Flesher, William, K. do.
Johnson, John. do.
Abercrombie, Hugh, Euphrasia.
Horton, Edward. Osprey.
Hay, Sir James D. H., Bart., Osprey.
Purdy, Jesse. T., St. Vincent.
Layton, David L., do.
Trout, William, do.
Stuart, Charles, Collingwood.
Smith, Benjamin, E., do.
Rankin, Charles, Sydenham.
Coulter, Hugh, Derby.
Devitt, George. Holland.
Fergusson, William, Artemesia.

7.—Haldimand.

Acres—289,233.
Population—20,000.
Assessed Value in 1854, £879,530 1s. 6d.
Liabilities—£7,519 18s.
Amount Debent. issued—£7519 18s.

County Officials.

Warden—William Cook, South Cayuga.
Treasurer—Agnew P. Farrell, Cayuga.
Registrar—Agnew P Farrell, do.
Clerk—Francis J. Stevenson, do.
Judge Co. Court and Chairman Quarter Sessions—John G. Stevenson, Cayuga.
Sheriff—Richard Martin, Cayuga.
Clerk of Peace—J. W. K. Graham, Cayuga.
Clerk of Co. Court and Deputy Clerk of Crown—R. V. Griffith, Cayuga.
Judge Surrogate—John G. Stevenson.
Registrar Surrogate—R. V. Griffith.

Clerks of Division Courts.

Division I.—W. Thompson, Caledonia.
Division II.—Dunc. Campbell, Cayuga.
Division III.—J. Armour, Dunnville.
Division IV.—E. Kent, Williamsville.

County Town—CAYUGA.
(Not Incorporated.)

Municipalities.

Townships-Canborough, Cayuga North, Cayuga South, Dunn, Moulton, Oneida, Rainham, Seneca, Sherbrooke, Walpole; and Village of Caledonia.

Magistrates.

Stevenson, John G., Cayuga.
Field, David McFarlane, Walpole.
Farrell, Agnew P., Cayuga.
Jarron, John, Moulton.
Steele, William, Walpole.
Kirk, John, Moulton.
Little, James, Seneca.
Imiac, William James, Dunn.
Birdsall, Samuel, Canboro.
Hall, Geoffry B., Walpole.
Fitch, William, Canboro.
Armour John, Moulton.
Blott, William, Dunn.
Cook, William, South Cayuga.
Stilwell Silas, Walpole.
Young, William, Oneida.
Harcourt Michael, Seneca.
Jackson, John, do.
DeCew, Edmund, J., N. Cayuga.
Folimsbee, John, Canboro.
Hayatt, Hezekiah, Moulton.
Eyres, William, Sherbrooke.
Hyde, Frederick, Dunn.
Nash, Abraham. South Cayuga.
Hoasberger, Isaac, Rainham.
Gowan, John S., Walpole.
Lester, Thomas, Seneca.
Van Every, William B., Seneca.
Phelps, Oliver S., North Cayuga.
Root, John, Sherbrooke.
Kent, James, Rainham.
Heasman, John, Walpole.
McPherson, William, Seneca.
Turner, Jacob, do.
Smith, James P., Rainham.
Woods, David, Walpole.
Park, Paul, Seneca.
McKinnon, Ronald, Seneca.
Scoble, Alexander, do.

8.—Halton.

Acres—229,700.
Population—About 20,000.
Assessed Value in 1855, £1,090,000.
Average Amount Taxes—£2143 1s. 7d.
Liabilities—(No Return.)
Amount of Debent. issued—£3,900.

County Officials.

Warden—Robert Miller, Milton.
Treasurer—George Brown, Milton.
Registrar—Thomas Racey, Milton.
Clerk—Francis Hamburgh. Milton.
Solicitor—Gilbert Tice Bastedo, Milton.
Surveyor—Henry Winter, Milton.
Judge Co. Court and Chairman Quarter Sessions—Joseph Davis, Milton.
Sheriff—Levi Willson, Milton.
Clerk of Peace—Gilbert Tice Bastedo.
Clerk of Co. Court and Deputy Clerk of Crown—W. L. P. Eager, Milton.
Judge Surrogate—Jos. Davis, Milton.
Registrar Surrogate—W. L. P. Eager.
Crown Lands Agent—Samuel Clarke, Milton.

Clerks of Division Courts.

Division I.—John Holgate, Milton.
Division II.—Robert Balmer, Oakville.
Division III.—R. Young. Stewarttown.
Division IV.—L. McDonald, Acton.
Division V.—E. Black, Campbellsville.
Division VI.—William McCay, Nelson.

County Town—MILTON.
(Not incorporated.)

Municipalities.

Townships—Esquesing, Nassagaweya, Nelson, Trafalgar.

Magistrates.

Davis, Joseph, Milton.
McKay, William, Nelson.
Tyffe, Thomas, Trafalgar.
Brown, George, do.
Harwood, Henry do.
Kinney, Peter, do.
Williams, Justus. W. Oakville.
Racey Thomas, Milton.
Willson, Levi, do.

Howell, John T., Trafalgar.
Barber, William, Georgetown.
Springer, David. R., Nelson.
White, John, Milton.
Fisher, Peter, Nelson.
Cleaver, James, do.
Buck, John, Trafalgar.
Sovereign, Charles, Bronte.
Gage James P., Wellington Square.
Bowman, Samuel, Trafalgar.
Applebee, James, do.
Clarke, Samuel, do.
Chisholm, George K., Oakville.
Chisholm, Robert K., do.
Cobban, James, Milton.
Sprout Adam, Esquesing.
Ireland, Joseph, Nelson.
Patton, Andrew, do.
Jarvis, John, Trafalgar.
Orr, John F., do.
Bray, Ezra, Bronte.
Wilmot, Henry, Milton.
Jull, Thomas, Oakville.
Smith, Thompson, do.
Culham Charles, do.
Hagaman, Benjamin, Bronte.
Davis, William. Nelson.
Lawrence, Jacob, Trafalgar.
Hunter, John, Esquesing.
McNaughton, John, do.
Menzies, James, do.
Hall, Robert S., Hornby.
Crawford, John C., Trafalgar.
Grant, Alexander, Acton.
Stewart, John, Esquesing.
White, James, Trafalgar.
Stowart, Duncan, Esquesing.
Williams, Charles, Glen William
McPherson, Allan, Esquesing.
McNaughton, Alex., Nassagaweya.
Eastbrook, Thomas, do.
McNair, James, do.
Walters, James, do.
Campbell, Archibald, do.
Fletcher, Joseph, do.
Freeman, Joshua, Nelson.
Simmerman, Henry P., do.
Spence, William, do.
Miller, Robert, do.
McLeod, Daniel, do.
Douglas, Thomas, do.
Buntin, William, do.
Ghent, George, do.
Brown, Alexander, Esquesing.
Center, Socrates, do.
Hall, Asa, Trafalgar.
Kennedy, George. Georgetown.
Bessey John, Trafalgar.
Freeman John, Esquesing
McDonald, Lachlin, do.
Adams, Rufus, do.
Dayfoot Philo, do.
Clay, William, do.
Joyce, William, do.
Bell, Nathaniel, Nelson.
Smith, Hiram, Wellington Square.
Thomas Edward, Trafalgar.
Robinson, William, do.
Beatty, William, do.
McKindsay, Geo. C. do.
Gillis John, Nassagaweya.
Panton, William, Nelson.
Hill, Robert, Trafalgar.
Fraser James, Esquesing.
Young, James, Georgetown.
Switzer, Harvey M., Palermo.
Chisholm, A. M., Wellington Square.
Youart John, Nassagaweya.
Kinney, John, Lowville.
Smith, Robert, Oakville.
Thompson, George, Esquesing.
Hutcheon, William, Nassagaweya.
Featherston, Joseph, Nelson.
Pettit, William G., Oakville.
Bowes, Thomas, Milton.
Lucas, John, Merton.
Calvert, George, Nassagaweya.
Laidlaw, Walter, Milton.
Paxton, William, Esquesing.
Hamburg, Francis, Milton.
Baxter, Thomas, Wellington Square.
Wilson, John, Oakville.
Duff, David, do.
Mason, Hugh, Hornby.
Marlatt, Samuel, Trafalgar.
Cowin, Richard, Hornby.
McGregor, John, Lowville.
Cummings, T. G., Wellington Square.
McIntosh, John, Norval.
Arnot, James, Oakville.
McTavish, Duncan, Ballinafad.
Cross, David, Esquesing.
Cameron, James, Acton.
Kent, Francis, Norval.
Elliot, Thomas, Nassagaweya.
Bigger, John L., Trafalgar.
Switzer, Samuel, Norval.
Griffin, John, do.
Tracey Richard, Esquesing.
Douglas, Robert, Merton.
McKinnon, John, Norval.

9.—Hastings.

Acres—847,800.
Population in 1851—31,977. (Probably now 37,000.)
Assessed Value in 1855, £1,652,885.
Liabilities—7501 7s. 1d.
Amount Debent. issued, £7,301 7s. 1d.

County Officials.

Warden—George Benjamin, Belleville.
Treasurer—F. McAnnany, Belleville.
Registrar—W. H. Ponton, Belleville.
Clerk—Thomas Wills, Belleville.
Solicitors—Ross & Bell, Belleville.
Surveyor—James Jamieson, Belleville.
Judge Co. Court and Chairman Quarter Sessions—William H. Smart, Belleville.
Sheriff—J. W. Moodie, Dunbar.
Clerk of Peace—J. O'Hare, Belleville.
Clerk of Co. Court and Deputy Clerk of Crown—A. G. Northrup, Belleville.
Judge Surrogate—John B. Crowe, Frankford.
Registrar Surrogate—William Bowen, Frankford.

Clerks of Division Courts.

Division I.—Arch. Ponton, Belleville.
Division II.— — Ketcheson, Sidney.
Division III.—H. Holden, Tyendinaga.
Division IV.—Rob. McCammon, Hungerford.
Division V.—William Judd, Stirling.
Division VI.—Cyrus Riggs, Hastings.
Division VII.—James J. Ryan, Moira.
Division VIII.—S. M. Washburn, Canniffville.
Division IX.—H. Bleecher, Trenton.

County Town—BELLEVILLE.

Chief Magistrate—J. O'Hare, Belleville.
Clerk—R. Maitland Roy, Belleville.
Population—About 6,000.
Assessed Value in 1855—£35,600.
Taxes per £ annual Value—2s. 6d.

Municipalities.

Townships.—Elzevir, Grimsthrope, Hungerford, Huntingdon, Lake, Madoc, Marmora, Rawdon, Sidney, Thurlow, Tudor, Tyendinaga; Town of Belleville and Village of Trenton.

Magistrates.

Smart, William, Belleville.
Turnbull, John, do.
Ketcheson, William, Sidney.
Bowen, William, Belleville.
Ridley, George N., do.
Portt, John, Tyendinaga.
Fidlar, Edward, Rawdon.
Ketcheson, Elijah, Sidney.
Appleby, Thomas D., Tyendinaga.
Johns, Solomon, Marmora.
Bleeker, George, Belleville.
Purdy, Ruliff, Sidney.
McCarmon, Robert, Hungerford.
Davis, James, Tyendinaga.
Hagerman, Henry, Sidney.
Hutton, William, Sidney.
Davy, Benjamin F., Belleville.
Holden Rufus, do.
Gilbert John, Sidney.
Turner, Gideon, do.
Lockwood, Joseph N., do.
Gilbert, Caleb, do.
Fairman, William, Thurlow.
Canniff, Joseph, do.
Robinson, Samuel W., do.
Chard, W., Rawdon.
O'Hara, James. Madoc.
Neal Michael, Tyendinaga.
Herchmer, Charles L. Belleville.
White, Patrick, Sidney.
Durken, Owen, Hungerford.
Seymour, Uriah, Madoc.
Campion, William, Marmora.
Ostrom, Simeon, Sidney.
Purdy, John, do.
Huffman, John S., do.
Gilbert, Stephen G., do.
Bonnisteel, Charles, do.
Jones, David, do.
Clapp, David, Thurlow.
Jamieson James, do.
McKinn, Thomas, do.
Taylor, George, do.
Chisholm, Colin, do.
Hicks, Philip D., do.
Whiteford, James, Belleville.
Benjamin, George, do.
McAnnanny, Francis, do.
Holden, Erastus, do.
Flint, Billa, Jun. do.
Lazier, Richard, Tyendinaga.
McFarlane, John do.
Mordan, James C., do.
Blair, Hugh, Madoc.
Parker, Robert, Rawdon.
Hubbell, John, do.
Lake, Nicholas, do.
Maybee, Emanuel, do.
Hilton, William, do.
Reid, Nesbit, Huntingdon.
Luke, Philip, do.
Ketcheson, Owen, do.
Archibald, James, do.
Downing, William, Hungerford.
Hart, George, do.
Broadwith, Isaac, Marmora.
Hope, William, Belleville.
Reynolds, Nelson G., do.
Donahue, John, do.
Yeomans, Osa, do.
Holton, Ezra Williams, do.
Robertson, Peter, do.
Bonter, Jacob, do.
Connor, William, do.
McGinnis, Hugh, do.
Hunt, Burleigh, do.
McCurdy, Jonathan, do.
Smith, Albert L., do.
Ponton, William H., do.
Stevens, Samuel, do.
Monro, Royal, do.
Fairfield, John K., Thurlow.
Farlay, James J., do.
Phillips, George, do.
Sills, William, do.
Ponton, James, do.
McTaggart, James, do.
Ross, Archibald, do.
Huffman, William, do.
Casey, Samuel T., do.
Ross, Leonard, do.
Clapp, Dorland, do.
Benlinger, John, do.
Campbell, William, do.
Leavins, Hector, do.

Bird, Robert, Sidney.
Farlay, Thomas D., do.
Fralick, Thomas T., do.
Meyers, Tobias J. W., do.
McMullen, Alexander, do.
Merritt, Joseph, do.
Roblin, Marshall B., do.
Lord, John, do.
Wright, Anson, do.
Davis, Richard, do.
Hogle, Stephen H., do.
Roblin, David, do.
Zwick, George T., do.
Vandervoort, David, do.
Holden, Hiram, Tyendinaga.
Allison, Benjn. J., do.
Emmons, William, do.
Lally, John, do.
Hart, Orlean, do.
Morden, Joseph W., do.
Hanley, John, do.
Egan, John, do.
Allen, James, Hungerford.
Caton, William, do.
Roblin, Joy, do.
Larkin, Paul, do.
Howell, David S., do.
Whitaker, Josiah W., do.
Holgate, Thomas, Huntingdon.
Clarke, Timothy do.
Struter, Merritt, do.
Ketcheson Aaron, do.
Fuller, Benjamin R., do.
Woodward, Daniel, do.
McTaggart, Allan, do.
Ross, Daniel, do.
Pringle, Ard, do.
Haggarty, James, do.
Leggitt, Joseph, Marmora.
Crawford, Hugh, do.
Hughes, Laughlin, do.
Stewart John, Rawdon.
Smith, Henry, do.
Bush, Joseph R., do.
Sine, William, do.
Cummings, Jedediah, do.
Vankleek, Barnabas, Madoc.
Olmsted, George A., do.
Allen William, do.

10.—Huron and Bruce.

Acres, Huron—892,769 } 1,527,533.
" Bruce—634,764 }
Population in 1852—22,045.
Assessed Value in 1854—£1,463,778.
Liabilities—£82,515.
Amount Debent. issued—£81,950.

County Officials.

Warden—John Holmes, Holmesville.
Treasurer—George Brown, Goderich.
Registrar—John Galt, Goderich.
Clerk—David Hood Ritchie, Goderich or Bayfield.
Solicitor—John Strachan, Goderich.
Surveyor—William Perceval, Goderich.
Judge Co. Court and Chairman Quarter Sessions—Vacant.
Sheriff—John McDonald, Goderich.
Clerk of Peace—Dan. Lizars, Goderich.
Clerk of Co. Court and Deputy Clerk of Crown—Hugh Johnson, Goderich.
Judge Surrogote—Vacant.
Registrar Surrogate—Hugh Johnson, Goderich.

Clerks of Division Courts.

Division I.—W. A. Williams, Goderich.
Division II.—L. Meyers, Harpurhay.
Division III.—C. Barker, Kincardine.
Division IV.—T. Carter, McGillivray.
Division V.—Thomas Trivitt, Devon.
Division VI.—John Clark, Wawanosh.
Division VII.—D. H. Ritchie, Bayfield.

County Town—GODERICH.

Chief Magistrate—Robert Gibbons.
Clerk—Thomas Kydd.
Assessed Value in 1854—£151,165.
Taxes per £ Annual Value—3s.

Municipalities.

Townships in Huron——Ashfield, Biddulph, Colborne, Goderich, Grey, Howich, Hay, Hullett, Morris, Mc Gillivray, McKillop, Stanley, Stephen, Tuckersmith, Turnberry, Usborne, Wawanosh; and Town of Goderich.
Townships in Bruce—Arran, Brant, Bruce, Carrick, Culross, Elderslie, Greenock, Huron, Kincardine, Kinloss, Saugeen.

Magistrates.

Scott, John.
Bell, Robert, Tuckersmith.
Brown, George, Goderich.
Chalk, William, Tuckersmith.
Holmes, John, Goderich.
Longworth, John, do.
Murray, James, Hay.
Meyer, Ludwig, McKillop.
Piper, William, Goderich Mills.
Ritchie, David H., do.
Scott, James, Usborne.
Thompson, George, Hullett.
Clark, David, Colborne.
Van Egmond, C. L., Hullett.
Watson, James, Goderich.
Jones, Thomas M., do.
Broadfoot, Alexander, Tuckersmith.
Gordon, James, do.
Creswell, James, do.
McIntosh, John, do.
Girvin, Charles, Wawanosh.
Lamb, Thomas, Usborne.
Bryden, James, McKillop.
Murray, James, Jr., Usborne.
Scott, Robert, Sen., McKillop.
Elliott, George, Goderich.
O'Connor, Hamilton B., do.
Parsons, Benjamin, do.
Gibbons, Robert, do.
McMahon, James, do.
Seegmiller, Jacob, do.
Herr, Joseph, do.
Shoff, Daniel, Biddulph.
Willis, Castor, Hay.
Grant, Peter, Stanley.
Calloway, Joshua, do.
Wilkie, James, Hay.
Brace, Harvey, Colborne.
Arnaud, John, Jr., do.
Barber, James, McGillivray.
Downey, Dennis, McKillop.
Monteith, Andrew, Colborne.
Dickson, James, Tuckersmith.

11.—Kent.

Acres—488,284.
Population in 1851—17,469.
Assessed Value in 1855—£1,120,145.
Liabilities—£7,400.
Amount of Debentures issued—£7,400.

County Officials.

Warden—James Smith, Dawn Mills.
Treasurer—A. Charteris, Chatham.
Registrar—Alex. Knapp, Chatham.
Clerk—William Cosgrave, Chatham.
Judge Co. Court and Chairman Quarter Sessions—W. B. Wells. Chatham.
Sheriff—John Mercer, Chatham.
Clerk of Peace—G. Duck, Jr. Chatham.
Clerk of County Court and Deputy Clerk of Crown—Thomas A. Ireland, Chatham.
Judge Surrogate—William B. Wells.
Registrar Surrogate—George Williams.

Clerks of Division Courts.

Division I.—T. Glendenning, Chatham.
Division II.—G. Duck, Morpeth.
Division III.—D. Wallace, Dawn Mills.
Division IV.—George Young, Harwich.
Division V.—James Little, Deal Town.
Division VI.—R. Mitchell, Dover.

County Town—CHATHAM.

Mayor—Alex. D. McLean.
Clerk—Duncan McColl.
Population—About 4,000.
Assessed Value in 1855—£335,500.
Taxes per £ Annual Value—2s. 1d.

Municipalities.

Townships.—Camden, Chatham, Dover East, Dover West, Harwich, Howard, Orford, Raleigh, Romney, Tilbury East, Zone; and Town of Chatham.

Magistrates.

Wells, William B., Chatham.
McCrae, Thomas, do.
Duck, George, Morpeth.
McKellar, Archibald, Chatham.
Dillon, Timothy, Raleigh.
McIntyre, Thomas, Harwich.
Mitchell, Robert, Dover East.
Ingalls, Otis, Camden.
Shaw, James G., do.
Smith, James, do. (Gore.)
Smith, Thomas W., Dover.
Robertson, Alex. R., Chatham (Town.)
Burns, James, do.
Baby, William L., Harwich.
Delmege, John F., do.
Young, George, do.
Patterson, Walter, Howard.
Decow, William, do.
Unsworth, John, do.
Ridley, Edward, Orford.
Ronalds, Henry, Raleigh.
Keating, John W., Chatham (Town.)
Dolsen, John L., do. do.
Vosburg, John S., do. do.
Holmes, Abraham S., do. do.
Salter, Albert P., do. do.
Everitt, William A., do. Township.
Arnold, Samuel, do. do.
Fisher, John, do. do.
McLean, William, do. do.
Knapp, Solomon M., do. do.
Williams, John B., do. do.
McVicar, Duncan, do. do.
Ridley, Henry, Harwich.
Moorehouse, Daniel, Orford.
Lattimer, William, Howard.
Richardson, Joseph, do.
Rushton, Richard, do.
White, Stephen, Harwich.
Jenner, Thomas, do.
Handy, Eben M., do.
Smith, Thomas, do.
Dolsen, John M., do.
Kinney, Stephen, do.
Smith, David B., Zone.
Stephenson, Richard, do.
Sherman, David, Camden.
Merrill, J. P. Platt, do.
Chambers, William, do.
Pardo, Thomas, Raleigh.
Smith, Joseph, do.
Drake, Francis, do.
Smith, Robert, do.
Simpson, Peter, Tilbury East.
McGregor, Alexander, do.
Smith, John, Chatham.
King, Gilman, Howard.
Hughson, Nathaniel, Harwich.
Mills, Joseph, Camden.
Gordon William, Dover.
McMichael, John, Harwich.
Shackleton, William, do.
Jackson, Thomas, Romney.
Renwick, Thomas, do.
Thomas, George, Chatham.
Charteris, Alexander, do.
Eberts, Henry, do.
Jacob, John, Dover.

Andrews, Phillip, Raleigh.
Waddell, John, Chatham.
Northwood, Joseph, do.

12.—Lambton.

Acres—699,826.
Population in 1852—10,811.
Assessed Value in 1855—£780,726.
Liabilities—£4,000.
Amount of Debentures issued—none.

County Officials.

Warden—Alfred P. Toulmin, Sombra.
Treasuror — Alexander Vidal, Port Sarnia.
Registrar—Henry Glass, Port Sarnia.
Clerk—Alexander Scott, Port Sarnia.
Surveyor—E. R. Jones, Port Sarnia.
Judge Co. Court and Chairman Quarter Sessions, Charles Robinson, Port Sarnia.
Sheriff—James Flintoft, Port Sarnia.
Clerk of Peace—P. T. Poussett, Port Sarnia.
Clerk of County Court and Deputy Clerk of Crown—J. R. Gemmill, Port Sarnia.
Judge Surrogate—Charles Robinson, Port Sarnia.
Registrar Surrogate—J. R. Gemmill, Port Sarnia.

Clerks of Division Courts.

Division I.—T. Forsyth, Port Sarnia.
Division II.—J. F. Elliott, Warwick.
Division III.—G. M. Webster, Dresden.
Division IV.—T. Carolan, Wallaceburg.

County Town—PORT SARNIA.
(Not incorporated.)

Municipalities.

Townships—Bosanquet, Brooke, Dawn, Enniskillen, Euphemia, Moore, Plympton, Sarnia, Sombra, Warwick.

Magistrates.

Robinson, Charles, Port Sarnia.
Wright, William E., Moore.
Durand, George, Sarnia.
Hyde, George, Plympton.
Talfourd, Froome, Moore.
Biddle, Joseph, do.
Baby, James, do.
Duncan, Charles, do.
Hill, Thomas L. Plympton.
Dunlop, James, do.
Watson, Wellington, do.
Eastman, Niul, Bosanquet.
Vidal, (Jr.) Alexander, Port Sarnia.
Porter, James, do.
McDonald, Duncan, Sombra.
Merritt, Peter W., do.
Eccles, John D., Warwick.
Harrower, George, do.
Allson, Harry, do.
Hill, Robert, do.
Glass, Henry, Sarnia.
Fraithorn, Robert, do.
McGregor, Alexander, do.
Vidal, Alexander, do.
McCall, David, do.
Copeland, James, do.
Skelbeck, Robert, do.
Watson, Ebenezer, do.
Fisher, Alfred, do.
Fisher, John, Plympton.
Crooke, Thomas L., do.
Hill, Samuel C., do.
Dewar, Alexander, do.
Casey, John, do.
Symington, William, do.
Carroll, Hamilton M., Warwick.
McAlpine, William, do.
Hay, Alexander, do.
Haine, Robert, do.
Trip, Jonathan, Bosanquet.
Kennedy, Allen, do.
Crawford, Simeon, do.
Stone, Charles, do.
Watson, William, Brooke.
McGregor, Archibald, do.
Boylan, William, Dawn.
Gibson, James, do.
Scarlett, Charles, do.
Walker, William, do.
Procter, John, do.
Housten, William, Enniskillen.
Oliver, William, do.
Francher, John, Euphemia.
Moorehouse, William, do.
Dobbyn, Richard do.
Clemmern, William, do.
Webster, William, do.
Kirby, Edwin, do.
Toulmin, Alfred P., Sombra.
Johnson, James, do.
Palmer, John, do.
Ramsay, George, do.
Smith, Calvin, do.
Meyer, Daniel, do.
McDonald, Daniel, do.
Featherstone, William, Moore.
Galoway, John, do.
Jackson, John, do.
Vidal, Alexander T., do.
Johnston, George B. do.
Gibb, Robert, do.
Wight, George, do.
Kinney, George, do.

13.—Lanark and Renfrew.

Acres — Lanark, 365,537; Renfrew, 172,049; Total 537,586.
Population—Lanark, 27,352; Renfrew, about 12,000.
Assessed Value, 1855, £935,985 9s. 9d.
Liabilities—£20,000 Sterling.
Amount of Debent. issued—£20,000 Sterling.

County Officials.

Warden—R. E. Matheson, Perth.
Treasurer—W. H. Radenherst, Perth.
Registrar—James Bell, Perth.
Clerk—Wm. N. F. Berford, Perth.
Surveyor—W. R. F. Berford, Perth.
Judge Co. Court and Chairman Quarter Sessions—J. G. Malloch, Perth.
Sheriff—James Thompson, Perth.
Clerk of Peace—Wm. R. F. Berford, Perth.
Clerk of County Court and Deputy Clerk of Crown—C. H. Sache, Perth.
Judge Surrogate—D. McMartin, Perth.
Registrar Surrogate — C. H. Sache.

Clerks of Division Courts.

Division I.—Charles H. Sache, Perth.
Division II.—W. Robertson, Lanark.
Division III. — J. C. Poole, Carleton Place.
Division IV.—Robinson Harper, Smith's Falls.
Division V.—W. Taylor, Pakenham.
Division VI.—George Ross, Renfrew.
Division VII—D. Ferguson, Bromley.
Division VIII.—A. Irving, Pembroke.

County Town—PERTH.

Chief Magistrate—James S. Nichol, Mayor, Perth.
Clerk—Thomas Brookes, Perth.
Population—2,300.
Assessed Value in 1855, £84,600.
Taxes per £ Annual Value—3s.

Municipalities

Townships in Lanark—Bathurst, Beckwith, Burgess North, Dalhousie, Darling, Drummond, Elmsley North, Lanark, Lavant, Montague, Packenham, Ramsey, Sherbrooke North, Sherbrooke South; the Town of Perth and Village of Smith's Falls.
Townships in Renfrew — Admaston, Bagot, Blythofield, Bromley, Brougham, Grattan, Horton, McNabb, Pembroke, Ross, Stafford, Westmeath, Wilberforce.

Magistrates.

Malloch, John G., Perth.
Leslie, Anthony, do.
Fraser, Donald, Lanark.
Leach, Matthew, do.
Tennant, George, do.
Adams, Joshua, Bathurst.
Brooke, William, Burgess.
Shaw, James, Elmsley.
Simpson, William, do.
Rosamond, James, Beckwith.
McGregor, Peter, do.
Bell, Robert, Carleton Place.
McDonell, Alexander, Macnab.
Smith, John, Lanark.
Wallace, William, Ramsay.
McCaffry, Thomas, Drummond.
Campbell, Patrick, Bathurst.
Airth, Henry, Horton.
Dickson, Hugh, Pakenham.
Allan, William, Drummond.
Bennett, Richard, Bathurst.
Playfair, Andrew W., do.
Frizelle, Sutton, Drummond.
Halladay, John, Burgess.
James, William, Lanark.
Jones, William, Montague.
Davis, Robert, Beckwith.
McLaren, Colin, do.
McLaren, Alexander, do.
Houston, William, Ramsay.
Moffatt, Alexander, Westmeath.
Richards, William, Drummond.
Jackson, James, do., 11th con.
Ayton, Hophney, do.
Halfpenny, William, Lanark.
Robertson, John, Darling.
Conboy, John, Beckwith.
Knapp, Reuben A., Montague.
Shields, James, do.
Harper, Robinson, Smith's Falls.
Gillhully, James, Montague.
Bell, James, Perth.
Grant, John P., do.
Doran, John, do.
Malr, James, do.
Templeton, James, Drummond.
Mansfield, Thomas, do.
Ferguson, Alexander, do.
Ferguson, Henry, do.
Robertson, Hugh, do.
McDonald, Henry, do.
Dowdall Patrick, do.
Richey, Josias, Bathurst.
Lees, William, do.
Ritchie, John, do.
Motherwell, John, do.
Adams, John W., do.
Noonan, James, do.
Lake, Henry, Elmsley.
Nichol, Thomas, do.
Ward, Abel R., do.
Wilson, John, Burgess.
Allan, John, do.
Byrnes, Patrick, do.
Purdon, William, Dalhousie.
Blair George, do.
McCrea, Edward, Jr., Montague.
Shields, Peter, do.
McCrea, James N., do.
Bissell, Alpheus, do.
Kelly, Michael, do.
Foster, John, do.
Andrews, Rufus, do.
Dorland Edward, Beckwith.
Scott, William, Lanark.
Robertson, Robert, do.
Anderson, Jean W., do.

Smith, James, North Sherbrooke.
Wilson, David, do.
Smith, Robert, do.
Adams, Aloah, South Sherbrooke.
Campbell, David, Ramsay.
Robertson, John, do.
Toshack, Greville, do.
Coleman, Smith, do.
Bowland, John, do.
Murphy, Michael, Innisville.
Blair, George, Darling.
Murphy, John, do.
McArthur, Arthur, Pakenham,
Russell, Andrew, do.
Boyce, Charles, do.
Brown, Robert, do.
Patterson, Archibald, Admaston.
Moore, Elias, do.
German, Thomas, do.
Rose, Ezra, Bagot.
Fraser, Alexander, do.
McCrea, Gerrard, do.
Ferguson, Duncan, Bromley,
Fitzpatrick, Henry, do.
Murphy, John, do.
Paris, John, McNab.
Morris, James, Jr., do.
Rochester, George, do.
Brown, David T., do.
White, Peter, Pembroke.
Moffatt, William, do.
Fraser, Hugh, do.
Olmstead, Ephraim, Ross.
Grant, James, do.
McLaron, John, Portage du Fort.
Shaw, John, Unsurveyed Lands.
King, John Wilberforce.
Bellows, Caleb S., Westmeath.
Chamberlain, Hiram, do.
Hamilton, Hugh do.
McIntyre, Robert, Renfrew Village.
Brady Thomas, Mount St. Patrick.
Nichol, James S., Perth,
Hall, Francis G., do.
Allan, James, do.
McDougall, Archibald, Smith's Falls.
Beckwith, J. T., do.
Deacon, John, South Sherbrooke.
Stevenson, John, Lanark, 11th con.
Hall, John, do.
Tennant, Thomas, do.
Stevenson Alexander, Bellamy's Mills.
Gilbraith, David, Ramsay.
Smith, Robert, Bromley.
Bell, John, Bembrooke.
Supple, John, do.
Young, James, Bathurst.
Shaw, John, Ramsay.
Burrows, James, Franktown.
Maitland, James, Montague.
Bates, Joshua, do.
Wylie, James H., Ramsay.
Duncan, James, Beckwith.
Morris, William, McNab.
Vandusen, Charles, Montague.
Giff, Thomas, do.
Merrick, Simon D., do.
McPhail, Archibald, do.
Stewart, John, do.
Maitland, Peter, do.
Hickey, Michael J., Eganville.
McDougall, John Lorn.
Clark, Peter, Montague.
Woods, David, do.
Chambers, Gabriel, do.
Andrews, Silas, do.

14.—Leeds and Grenville.

Acres—736,825.
Population in 1852—50,987.
Assessed Value in 1855—£1,786,869.
Liabilities, exclusive of Debentures,—£2204, 13s.
Amount of Debent. issued—£14,175.

County Officials.

Warden—Eleazir H. Whitmarsh, Merrickville.
Treasurer—J. L. Schofield, Brockville.
Registrar for Leeds — David Jones, Brockville.
Registrar for Grenville—John Patton, Prescott.
Clerk—James Jessup, Brockville.
Surveyor for Leeds—Edward Robertson, Brockville.
Surveyor for Grenville—Michael Kelly, Merrickville.
Judge County Court and Chairman Quarter Sessions—George Malloch, Brockville.
Sheriff—Adiel Sherwood, Brockville.
Clerk of Peace—J. Jessup Brockville.
Clerk of County Court and Deputy Clerk of Crown—Thomas D. Campbell, Brockville.
Judge Surrogate — George Malloch, Brockville.
Registrar Surrogate — James Jessup, Brockville.

Clerks of Division Courts.

Division I.—John B. Jones, Brockville.
Division II.—V. Knapp, Prescott.
Division III.—Joseph McKelvey, Gananoque.
Division IV.—R. Leslie, Kemptville.
Division V.—M. Kelly, Merrickville.
Division VI.—John Warren, Beverly.
Division VII.—H. McCrea, Frankville.
Division VIII. — James B. Stevens, Newborough.
Division IX.—W. King, Farmersville.
Division X.—Thomas Robertson, Spencerville.
Division XI.—W. Lyman, N. Augusta.
Division XII.—Alfred A. Munro, Mallorytown.

County Town—Brockville.

Mayor—John Crawford.
Clerk—George S. Maclean.
Population—About 4,500.
Assessed value in 1855—£225,824.

Municipalities.

Townships in Leeds—Bastard, Crosby North, Crosby South, Elizabethtown, Elmsly, Escott, Kitley, Landstown, Leeds, South Burgess, Yonge; and Town of Brockville.
Townships in Grenville — Augusta, Edwardsburgh, Gower South, Oxford, Wolford; and Town of Prescott.

Magistrates.

Malloch, George, Brockville.
Bottom, William H., Oxford.
Hurd, Truman, do.
Weatherhead, John, Brockville.
McLean, Archibald, Yonge.
Jones, Dunham, Augusta.
Brown, William, Wolford.
Church, Basil R., do.
McIlmoyle, James, Edwardsburgh.
Schofield, Peter, Eastard.
Leggatt, John, North Crosby.
Powell, Robert, Elizabethtown.
Glasford, Paul, do.
Reade, John L., Wolford.
Jessup, Hamilton D., Augusta.
Bradfield, Henry, Elizabethtown.
Schofield, James L., Brockville.
Horton, Nicholas, Elizabethtown.
Sheffield, Thomas, Jr., Crosby,
Kilburn, John, do., or Wexford.
Shaw, James, South Crosby.
Johnston, Richard, Landsdown.
Goff, Joseph, Elizabethtown.
Brisee, Nicholas, Bastard.
McCrea, Alexander, Wolford.
McCargo, Milo, South Gower.
Reynolds, Samuel, Brockville.
Dunham, Ephraim, do.
Pennock, Philemon, Augusta.
McCargar, Thomas, Oxford.
Blakely, John, Bastard.
Tett, Benjamin. Crosby.
McDonald, William S., Gananoque.
McLean, John, Elizabethtown.
Buell, William, Brockville.
Booth, John G., Elizabethtown.
Bates, Joshua, Yonge.
Wiltse, Joseph, do.
Merrick, Aaron, Wolford.
Gainfort, Thomas, Prescott.
Howard, Matthew M., Elizabethtown.
Lee, Palmer, Yonge.
Crow, John, Edwardsburg.
Booth, John, Yonge.
Purvis, Thomas, do.
McSweeny, Peter, South Gower.
Brooker, James, Yonge.
Dougherty, George, Oxford.
Garvey, William, Maitland.
Chamberlain, Wyatt, Kitley.
Holmes, Richard, do.
Adams, Peter, Edwardsburg.
Bellamy, Samuel J., Augusta.
Simpson, William, Elmsley, South.
McCrea, Walter. Wolford.
Riddle, William, Elmsley, South.
Merrick, Stephen H., Wolford.
Green, Wm., Landsdown, or Yonge.
Delong, Jesse, South Crosby.
Howard, William M., Landsdown.
Fox, Arthur, Yonge.
Ketchum, John, Elizabethtown.
Landon, Elisha, Elmsley.
Holdon, John, Prescott.
Adams, Joshua, South Gower.
Arnold, George W., Brockville.
Blanchard, Hiram W., Elizabethtown.
Bolton, Richard, Wolford.
Bryan, William, do.
Burritt, Edmund, do.
Campbell, William, Oxford.
Carson, Andrew, do.
Cook, Roswell, Edwardsburg.
Coller, Elisha, Wolford.
Craig, John, Oxford.
Davis, Peter, Elizabethtown.
Earl, William, Langsdown.
Edgar, James, Kitley.
Ferguson, Robert, Kitley.
Griffin, Asa H., Wolford.
Green, Edward, Leeds.
Headlem, Robert, Augusta.
Higgins, James, Prescott.
Hill, Thomas, Elizabethtown.
Halliday, Noah, North Crosby.
Hooker, Alfred, Augusta.
Johnston, John, Escott.
Keeler, James, Edwardsburg.
Kernehan, Robert. Oxford.
Landon, Heman, Elizabethtown.
Mair, Thomas, Brockville.
Mallory, Ira, Yonge.
Meneally, William, Augusta.
Moses, William, South Gower.
Moulton, William, Yonge.
Osborne, Richard do.
Parkin, William, Brockville.
Parmenter, James W., Gananoque.
Peden, Robert, Brockville.
Preston, Richard, South Crosby.
Reid, John, Brockville.
Rorison, Robert D.
Soper, Septimus. Kitley.
Spencer, John, Elizabethtown.
Sweet, Allan, Leeds.
Thompson, James, Escott.
Vanston, Thomas, do.
Webster, William, Landsdown.
Wells, Isaac Brock, Augusta.
Whitmarsh, Eleazer H., Wolford.
Wright, Joseph, Augusta.
Yonge, John, Yonge.
Young, William, Bastard.
Howard, Edward, Elizabethtown.
Hough, John W., do.
Watrous, Liberty, do.
Earl, Reuben, do.

Bell, Thomas, Elizabethtown.
Landon, William, do.
Stonell, Oliver O., do.
Marcial, Ira, do.
Breakenridge, James, do.
Chambers, James A., do.
King, Smith, do.
Dowling, William, do.
Alguire, Harmoulous, Yonge.
Wing, Phillip, do.
Giles, William H., do.
Gardiner, Charles, do.
Parish, Arza, do.
Purvis, John, do.
Kennedy, William, do.
McNish, George, do.
McDonald, Daniel, Escott.
Moore, Thomas, Kitley.
Williams, Horatio, do.
Marshall, Abial, do.
Leahey, Gideon, do.
O'Connor, Patrick, do.
Smith, William, do.
Scovil, George C., do.
Tracy, Thomas, do.
McCarthy, Florence, do.
Hicock, Philo, do.
Chamberlain, Asher A., do.
Roe, Oliver, do.
Scovil, Samuel S., do.
Yonge, Miles, Bastard,
Elliott, Alexander, do.
Britton, D F. Leeds & Landsdown, front
Richmond. Thomas, do.
Darling, Thomas, do.
Webster, Robert, do.
McKelvey, George, do.
Landon, Simcoe, do.
Nuttle, John, do.
Landon, William, do.
Howard, Alpheus R., do. rear.
Cameron, Alexander, do.
Sliter, Washington L., do.
Struthers, Calvin, do.
Washburn, Seneca, do.
O'Connor, Daniel, do.
Honnigan, James, Elmsley.
Riddle, John, do.
Moorhouse, John, do.
Ward, Abel R., do.
Kennedy, James, South Crosby.
Wing, Gushorn, do.
Ripley, Thomas, do.
Fredinburg, William H., do.
Ewing, Peter, do.
Taggart, Alba, do.
Patton, John, Augusta.
Howard, James, do.
Pennock, William, do.
Read, Moses, do.
Alder, Robert, do.
Patrick, William, do.
Freel, Thomas, do.
Peck, Chauncy H., do.
McMahon, William, do.
Dickenson, Walter D., do.
McLean, Horace, do.
McIntosh, Matthew, do.
Moran, Peter, do.
Stevenson, Isaiah, do.
Freeland, Henry, do.
Wood, William S., do.
Spencer, David, Edwardsburg.
Adams, Abel H., do.
Hunter, Allen, do.
Snail, William, do.
Akin, William S., do.
Imrie, William B., do.
Wharton, Nathan, do.
Bower, Joseph, Oxford.
Bishop, Ira, do.
Gibson, Joseph C., do.
Bell, Robert, do.
O'Neill, Peter, do.
Holmes, Hiram, do.
Deegan, Daniel, do.
Tait, Alfred, do.
Collins, Dennis, do.
Kelly, Michael, Wolford.
Fortune, William, do.
Holden, Charles, do.
Davis, John C., do.
McCrea, Colonel, do.
Brown, Reuben, do.
Brundige, Abraham, do.
Buchannan, William, South Gower.
Byce, John, do.
Adams. William, do.
McCargar, Alexander, do.
Schaik, David, do.
Denaut, Walter H., Bastard.
Seaman, Stephen, do.
Soper, S. L., Leeds & Landsdown, rear.
Whalen, Walter, North Crosby.
Devitt, Thomas, do.
Wickwire, Philip, Wolford.
Bates, Ninian, Yonge.
Murray, Patrick, Elizabethtown.
Manhard (2nd.) H., do., Lot 9, 6th con.
McEathron, Stephen, North Crosby.
Belten, James, do.
Yates, Philip, Bastard.
Fairbairn, David, Brockville.
Row, David, Augusta.
Pardee, Aaron B., do.
Bass, Joseph, do.
Wright, Isaiah, do.
Lane, Charles, do.
Bellamy, John B., do.
Maley, Thomas, Oxford.
Leeming, Joseph, do.
Hurd, Tyrus, do.
Beach, Malhon, do.
Hutchins, Horace, do.
Wells, John, Edwardsburg.
Adams, Levi, do.
Adams, John, do.
White, Bartholomew, Prescott.
Cowan, Joseph, do.

15.—Lincoln and Welland.

Acres—425,250.
Population—44,000.
Assessed Value in 1855—3,607,780.
Liabilities—£1,200.
Amount of Debent. issued—£12,000.

County Officials.

Warden—John Simpson, Niagara.
Treasurer—Daniel McDougal, Niagara.
Registrar—John Powell, Niagara.
Clerk—Joseph A. Woodruff, Niagara.
Solicitor—John M. Lawder, Niagara.
Judge Co. Court and Chairman Quarter Sessions—Edward C. Campbell, Niagara.
Sheriff—William Kingsmill, Niagara.
Clerk of Peace — Joseph Woodruff, Niagara.
Clerk of County Court—J. Clench, Niagara.
Deputy Clerk of Crown—W. D. Miller, Niagara.
Judge Surrogate—W. Claus, Niagara.
Registrar Surrogate—Charles B. Hurd, Queenston.

Clerks of Division Courts.

Division I.—W. B. Winterbottom, Niagara.
Division II.—T. Burns. St. Catherines.
Division III.—A. Morse, Smithville.
Division IV.—Jacob Keefer, Thorold.
Division V.—E. Burton. Chippawa.
Division VI.—J. Stanton, Fort Erie.

County Town—NIAGARA.

Mayor—John Simpson.
Clerk—Isaac H. Johnson.
Population—3,280.
Assessed Annual value in 1855—£14,425.
Taxes per £ Annual Value—2s. 4d.

Municipalities.

Townships in Lincoln—Caistor, Clinton, Gainsborough, Grantham, Grimsby, Louth; and Towns of Niagara and St. Catherines.
Townships in Welland—Bertie, Crowland, Humberstone, Pelham, Stamford, Thorold, Wainfleet, Willoughby; and Villages of Chippewa and Thorold.

Magistrates.

Campbell, Edward C., Niagara.
Keefer, George, Thorold.
Cummings, James, Chippawa.
Merritt, William H., St. Catherines.
McDougall, Daniel, Niagara.
Clark, John, Port Dalhousie.
Ball, John C., Niagara Township.
Keefer, Jacob, Thorold.
Rykert, George, St. Catherines.
Mittleberger, Henry, do.
Adams, William, Louth.
Clark, James, W. O., do.
McGlashan, John, Jr., Pelham.
Adams, Elias S., St. Catherines.
McFarland, Duncan, Thorold.
Pawling, Nathan, Grantham.
Gibson, John, do.
Ball, William M., Niagara.
Robinson, William B., St. Catherines.
Patterson, John J., Clinton.
McMicking, John, Stamford.
Tisdale, James, Caistor.
Graybiel, John, Wainfleet.
Hellems, John, Crowland.
Radcliffe, John, Drummondville.
McLean, John, Clinton.
Nelles, Warner H., Jr., Grantham.
Clement, Peter Ball, Niagara.
Servos, William Street, do.
Kirkpatrick, John, Stamford.
Woolverton, Dennis, Grimsby.
Kilburn, Rowley, Clinton.
Nelles, Peter Ball, Grimsby.
Street, Thomas C., Niagara Falls.
Osborne, John B., Beamsville.
Woodruff, William, St. Davids.
Misener, Jacob, Wainfleet.
McFarland, John, Sen., Niagara.
Kerr, John, Grantham.
Beamer, Daniel, Louth.
Henry, Robert, Clinton.
Bridgman, John Pettit, Grimsby.
Kerr, Jacob, Caistor.
Misener Leonard, Jun., Wainfleet.
Scholfield, John, Pelham.
Hobson, Robert, Thorold.
Rowe, George, Stamford.
Dickson, Walter H. Niagara.
Smith, Henry, Grimsby.
Kennedy, Jacob, Gainsborough.
Haun, Isaac, Bertie.
O'Reilly, John Brown, Wainfleet.
Brookfield, Jacob, Cowland.
Wilson, Lewis, Pelham.
Turney, John, Thorold.
Lemon, John, Stamford.
Morse, Abishah, Grimsby.
Secord, George, Gainsborough.
Brown, David P., Crowland.
Thompson, Archibald, Stamford.
McMicking, William, Stamford.
Garner, Jacob, do.
Ball, John W., Niagara.
Boomer, Anthony Knox, Grantham.
Howey, Hiram, Stamford.
Lowell, William, Stamford.
Parke, Thomas, Port Colborne.
Ball, John W., Niagara.
Benson, James R., St. Catherines.
Ball, George Peter Mann, Louth.
Douglas, Alexander, Fort Erie.
Stanton, James, do.
Macklem, James, Chippawa.
Dittrick, Walter, Grantham.
Holsteder, Abraham, do.
Beamer, Philip, Louth.

Adams, Elias Smith, St. Catherines.
Mittleberger, John F., do.
Chisholm, William Austin, do.
Marren, Patrick, do.
Clarke, Richard A., do.
Phelps, Calvin, do.
Dickson, Walter H., Niagara.
Campbell, Edward C., do.
Davidson, Alexander, do.
Heron, Andrew, do.
Simpson, John. do.
Harvey, James, do.
Blain, James, do.

16.—Middlesex.

Acres—650,698.
Population—39,899.
Assessed Value in 1855—£1,664,202.
Liabilities—£122,400.
Amount of Debent. issued—£100,000.

County Officials.

Warden—Holcroft Clench, Delaware.
Treasurer—W. W. Street, London.
Registrar—H. Burwell, London.
Clerk—Wilson Mills, London.
Solicitor—John Wilson, London.
Surveyor—Wm. Mackintosh, London.
Judge Co. Court and Chairman Quarter Sessions—Hon. James E. Small, London.
Sheriff—James Hamilton, London.
Clerk of Peace—J. B. Askin, London.
Clerk of County Court and Deputy Clerk of Crown—John B. Askin.
Judge Surrogate—W. Allen, Niagara.
Registrar Surrogate—John Fitz John Harris, London.

Clerks of Division Courts.

Division I.—J. C. Meredeth, London.
Division II.—John Irvine, Lobo.
Division III.—James Reily, Junction, Westminster.
Division IV.—W. F. Bullen, Delaware.
Division V.—A. Hatchi, Wardsville.
Division VI.—J. Keefer, Strathroy.

County Town—LONDON.

Mayor—Murray Anderson, London.
Clerk—John Doyle, London.
Population—About 12,000.
Assessed value in 1855—£95,000.
Taxes per £ Annual Value, 2s. 4¼d.

Municipalities.

Townships—Adelaide, Carradoc, Delaware, Dorchester, Ekfrid, Lobo, London, Metcalf, Missouri West, Mosa, Westminster, Williams; and City of London.

Magistrates.

Small, Hon. James E., London.
Bostwick, John, Port Stanley.
McKenzie, Duncan, London.
Clench, Joseph B., Carradoc.
Beer, Christopher, Adelaide.
Springer, Benjamin, Delaware.
Lawrason, Lawrence, London.
Shore, John, Westminster.
Buchannan, John S., Adelaide.
Ball, Thomas H., London.
Hall, Cyrenius, Westminster.
Webb, Richard, Delaware.
McDougall, John, Lobo.
McArthur, James, Williams.
Pegley, Robert, Adelaide.
Strathy, Alexander, Westminster.
Anderson, Alexander, London.
Odell, Josiah L. Westminster.
Johnston, John, Delaware.
Morrill, Simeon, London.
Telfer, Adam, do.
Brennan, R. W., Adelaide or Metcalfe.
Matthews, Edward, London.
Strathy, James B., do.
Montserratt, Charles, do.
Kent, John, London Township.
Johnstone, William McK. Adelaide or Metcalfe.
Shewick, Henry, Westminster.
Winlow, J. B., Adelaide or Metcalfe.
Carmichael, Hugh, Lobo.
Murray, James, Adelaide.
Cook, Timothy, do.
Skoan, John A. do.
McKirdy, James, Carradoc.
McKellar, Duncan, do.
Campbell, Arch. do.
Niles, William, Dorchester.
Putnam, Thomas, do.
Putnam, Joshua, do.
Miller, Archibald, Ekfrid.
Cambell, John do.
McIntyre, James, do.
Lockwood, Daniel, do.
Adamson, Robert, Lobo.
Jacobs, Nathan, London.
Smith, Patrick, do.
Thompson, Robert, Mosa.
Grant, Benjamin, do.
Gardiner, James, do.
Simes, William, do.
Campbell, Isaac, Westminster.
Beatty, Thomas, do.
Burtch, Calvin. do.
McIntosh, Donald, Williams.
Climas, David, do.
Haight, James, London.
Ridout, Lionel, do.
Fraser, John, do.
Michie, John, do.

17.—Norfolk.

Acres—384,000.
Population—About 25,000.
Assessed value in 1855—£1,211,000.
Liabilities—£1,525.
Amount of Debentures issued, £1,525.

County Officials.

Warden—L. H. Hunt, Simcoe.
Treasurer—Henry Groff, Simcoe.
Registrar—F. L. Walsh, Simcoe.
Clerk—Stephen J. Fuller, Simcoe.
Surveyor—Thomas W. Walsh, Simcoe.
Judge Co. Court and Chairman Quarter Sessions—Wm. Salmon, Simcoe.
Sheriff—H. V. A. Rapelje, Simcoe.
Clerk of Peace—W. M. Wilson, Simcoe.
Clerk of County Court—William M. Wilson, Simcoe.
Deputy Clerk of Crown—Abram B. Rapelje, Simcoe.
Judge Surrogate—W. Salmon, Simcoe.
Registrar Surrogate—W. M. Wilson.

Clerks of Division Courts.

Division I.—A. B. Rapelje, Simcoe.
Division II.—Oliver Blake, Waterford.
Division III.—D. Dodge, Windham Centre.
Division IV.—Thos. Jenkins, Rolph.
Division V.—William Hewitt, Vittoria.
Division VI.—Andrew M. Lennan, Port Rowan.
Division VII.—Thomas Chamberlin, Houghton Centre.

County Town—SIMCOE.

Chief Magistrate—J. G. Wilson, Town Reeve.
Clerk—D. Tisdale.
Population—About 3,000.
Assessed Value in 1855—£102,000.
Taxes per £ Annual Value—2s. 6d.

Municipalities.

Townships—Charlotteville, Houghton, Middletown, Townsend, Walsingham, Windham, Woodhouse, and Town of Simcoe.

Magistrates.

Salmon, William, Simcoe.
Backhouse, William, Walsingham.
Ryerse, Edward P., Woodhouse.
Hutchinson, John B., Walsingham.
Covernton, James, Charlotteville.
Tisdale, Joseph, do.
Williams, Titus, Walsingham.
Anderson, Walter, Charlotteville.
Brown, James, Middleton.
Crouse, John B., Simcoe.
Potts, Jacob, Charlotteville.
Marr, David, Jun., Woodhouse.
Mulkins, Thomas J., do.
Walker, James, do.
Killmaster, George A., Walsingham.
Reach, John, Middleton.
Hunt, Lawrence H., Windham.
O'Carr, Peter, Townsend.
White, Moses W., Houghton.
Killmaster, Henry J., Walsingham.
Wood, Jacob, Charlotteville.
Van Norman, Romain F., do.
Waters, Henry, Woodhouse.
Freeman, Daniel, W., Windham.
Wallace, John, do.
Green, James L., Townsend.
Walker, William, do.
Duncombe, David, do.
Ritchie, James W., Woodhouse.
Austin, Philip, do.
Waddell, Robert, do.
Parney, John, Townsend.
Williams, John G., do.
Robins, John, Windham.
Matthews, Daniel, do.
Lowry, Matthew, do.
McCall, Simpson, Charlotteville.
Covernton, Charles W., do.
Maybee, Oliver, Jun., do.
Killmaster, John, Walsingham.
Burger, Isaac, Houghton.
Crysler, Roger, Middleton.
Decow, John, Woodhouse.
Thompson, Andrew, do.
Smith, Richard, do.
Lawson, Peter, do.
Lemon, Jacob, do.
Smith Cornelius, W. do.
Owner, Abner, do.
Clark, Thomas, W., Townsend.
Taylor, Gilbert, do.
Barbom, Henry J., do.
Owen, Joel W., do.
Johnson, Joseph, do.
Blake, Oliver, do.
Kellum, Jason, do.
Shaw, Benjamin C. do.
Michael, Richard M., do.
Becker, Barton, do.
Vastbinder, John N., Windham.
Vastbinder, Philip do.
McIntosh, John R., do.
House, Richard M., do.
Langs, Jacob, do.
Kelly, Samuel, do.
Binkley, Elijah, do.
McCall, William, Charlotteville.
Dresser, Frederick, do.
Slaght, Job, do.
Shearer, Gabriel, do.
Fergusson, John W., do.
McDonald, Andrew, do.
Anderson, John, do.
Robinson, Thomas, Middleton.
Wood, Henry. do.
Boughner, Edward, do.
Cook, Lake, do.
Anderson, William, Walsingham.
Stone, Joseph, do.
Foster, Edward, do.
Spencer, Lot, do.
Glasby, William, do.
Backhouse, J. A., do.
Hunter, John, do.
Coughell, Peter, Houghton.
Bridgman, Jonathan, do.

Elsworth, John, Haughton.
Lyons, James A., Simcoe.
Parke, James, do.
Austin, John S., do.
Armstrong, Cornelius, Walsingham.
Decow, Samuel, Simcoe.
Van Norman Delavan D., Simcoe.

18.—Northumberland and Durham.

Acres assessed—794,200.
Persons assessed—11,647.
Assessed Value in 1855—£3,190,867.
Liabilities—£312,822 16s. 1d.

County Officials.

Warden—James Smith, M.P.P., Port Hope.
Treasurer—Asa A. Burnham, Cobourg.
Registrar for Northumberland—Hon. G. S. Boulton, Cobourg.
Registrar for Durham—George C. Ward—Port Hope.
Clerk—Morgan Jellett, Cobourg.
Solicitors—Messrs. Smith & Armour, Cobourg.
Engineer—Thomas S. Gore, Rice Lake.
Judge Co. Court and Chairman Quarter Sessions, G. M. Boswell, Cobourg.
Sheriff—Henry Ruttan, Cobourg.
Clerk of Peace—T. Ward, Port Hope.
Clerk of County Court and Deputy Clerk of Crown—R. D. Chatterton, Cobourg.
Judge Surrogate—George M. Boswell.
Registrar Surrogate—M. F. Whitehead, Port Hope.

Clerks of Division Courts.

Division I.—C. C. Neville, Bowmanville.
Division II.—S. Wilmot, Newcastle.
Division III.—J. T. Day, Port Hope.
Division IV.—J. M. Brodie, Millbrook.
Division V.—Thomas Eyre, Cobourg.
Division VI.—Jas. G. Rogers, Grafton.
Division VII.—G. S. Burrell, Colborne.
Division VIII.—John Douglas, Percy.
Division IX.—E. H. Smith, Brighton.

County Town—COBOURG.

Chief Magistrate—D'Arcy E. Boulton, Cobourg.
Clerk—David Brodie, Cobourg.
Assessed Annual Value in 1855—£27,370.
Taxes per £ Annual Value—

Municipalities.

Townships in Northumberland—Alnwick, Brighton, Cramahe, Haldimand, Hamilton, Monaghan South, Murray, Percy, Seymour; and Town of Cobourg.
Townships in Durham—Cartwright, Cavan, Clarke, Darlington, Hope, Manvers; Town of Port Hope and Village of Bowmanville.

Magistrates.

Boswell, George Morss, Cobourg.
Macdonald, Archibald, Hamilton.
Hawley, Sheldon, Murray.
Keeler, Joseph A., Cramahe.
Maguire, Patrick, Cavan.
Rogers, James G., Haldimand.
Thompson, John, Cavan.
Perry, Ebenezer, Cobourg.
Boucher, Robert P., Seymour.
Knowlson, John, Cavan.
Wilmott, Allan, Clarke.
Munro, Henry, do.
Burnham, Asa A., Cobourg.
Meyers, Elijah W., Murray.
Goslee, James D., Cramahe.
McKyes, Willis, Hamilton.
Murphy, John V., Murray.
Landon, John, Seymour.
Scott, Thomas, Cobourg.
Harris, Myndert, Sen., Hope.
Fox, William H., Murray.
Jeffrey, Andrew, Cobourg.
Robertson, James, Port Hope.
Strong, O., Cramahe.
Simpson, John, Darlington.
Clarke, Edward, Clarke.
Weller, William, Cobourg.
Young, Stephen, Murray.
McCarty, Henry, Cobourg.
Smart, John, Darlington.
Blackstock, Moses, Cavan.
Middleton, John, Clarke.
Waddell, Robert, South Monaghan.
Preston, Porter, Manvers.
Eyre, Thomas, Cobourg.
Burnham, Mark, Port Hope.
Barnard, John, South Monaghan.
Blair, John, Percy.
Allen, W. H., Hope.
McAulay, Alexander, Murray.
Broadfoot, Alexander, Hope.
Burke, David F., Darlington.
Spencer, Charles W., Clarke.
Cumming, James, Murray.
Lang, James, Hope.
Humphries, Israel, Percy.
Boswell, John Crease, Hamilton.
Phillips, Joseph, do.
Crawford, Angus, do.
Page, Thomas, do.
Hare, Donald, Haldimand.
Vernon, Charles H., do.
Colleton, Thomas W., do.
Doolittle, Ephraim, do.
Innis, John S., do.
Grover, John M., Cramahe.
Stephens, Richard, do.
Platt, Isaac S., Percy.
Ewing, Benjamin F., Percy.
Meyers, W. W., Seymour.
Cooley, Samuel, Murray.
Walbridge, Asa E., Clarke.
Robson, John G., do.
Low, George H., Darlington.
Jones, Richard, do.
Mann, James, do.
Armstrong, William, Cavan.
Swain, John do.
Preston, Alexander, Manners.
Jones, Henry, do.
Hill, Richard, Seymour.
Patterson, John, do.
Blair, George W., Percy.
Black, Andrew, do.
Biggar, James, Murray.
Ham, John V., do.
Peterson, Joseph, S., Murray.
Way, Aloah, do.
Brundridge, Harvey, do.
Butler, William, do.
Comstock, David, do.
Betts, Joseph, Sen., Cramahe.
Franklin, Bildad, do.
Merriman, James M., do.
Strong, James S., do.
Spalding, John, Haldimand.
Clarke, John R., do.
Massey, Hart, do.
Wilson, John, do.
Heenan, Thomas, do.
Malery, Caleb, Hamilton.
Wade, John, do.
Carpenter, Austin B., do.
Creighton, John, do.
Stanton, Oliver, do.
Campbell, Samuel, do.
Boswell, George G., do.
Burnet, William, do.
Strong, William G., do.
Gilchrist, James R., do.
McCallum, Peter, do.
Milne, Andrew, do.
Stephens, George, do.
Burnham, Harris, do.
Morrow, Alexander, Hope.
Marsh, Wm. S. do.
Sissons, W. do.
Waddell, Robert N., do.
Choat, Nathan, do.
Powers, Samuel S., do.
Grant, James, do.
Hill, Edwin, do.
Might, John, do.
Fisher, Alexander, do.
Choat, Aaron, do.
McMurtry, John, do.
Corbet, Samuel, do.
Peters, Wm. do.
Horne, Joseph, South Monaghan.
Bernard, Joseph, do.
Thompson, William, do.
Hovey, David, Cartwright.
Armstrong, Robert, Cavan.
Armstrong, William, do.
Knowlson, Matthew, do.
Chalmers, James, do.
Cain, George, do.
Armstrong, Joseph, do.
Scott, Adam, do.
Wallis, William, Manvers.
Magill, Robert, do.
McIntosh, William, Clarke.
Hodges, Hiram, do.
Short, John, do.
Toms, John, do.
Milligan, Andrew, S., do.
Smith, Noble, C., do.
Cameron, Donald, Darlington.
Elliott, Henry, do.
Galbraith, Daniel do.
Trall, John C., do.
Wilson, Ira P., do.
McMurtry, William, do.
Washington, Anth. do.
Jones, Matthew, do.
Quinlan, Cornelius, Port Hope.

Weller, William, Cobourg.
Eyre, Thomas, do.
Perry, George, do.
Wallace, Patrick, do.
Strong, William G., do.
Beatty, John, do.
Dinnan, Terence, do.
Wright, John, Port Hope.
McDermott, John R., do.
Quinlan, Cornelius, do.
Grant, James, do.
Waddell, Robert N., do.
Burton, Francis H., do.
Hughes, Charles, do.
Benson, Thomas, do.

19.—Ontario.

Acres assessed—456,796.
Population in 1852—30,576.
Assessed Value in 1855—£1,412,847.
Liabilities—£11,400.
Amount of Debent. issued—£11,400.

County Officials.

Warden—Thomas N. Gibbs, Oshawa.
Treasurer—William Paxton, Whitby.
Registrar—John Ham Perry, Whitby.
Clerk—H. J. Macdonnell, Whitby.
Surveyor—John Shier, Whitby.
Judge Co. Court and Chairman Quarter Session—Z. Burnham, Whitby.
Sheriff—N. G. Reynolds, Whitby.
Clerk of Peace—B. F. Ball, Whitby.
Clerk of County Court and Deputy Clerk of Crown—J. V. Ham, Whitby.
Judge Surrogate—Zaccheus Burnham, Whitby.
Registrar Surrogate—John Vandal Ham, Whitby.

Clerks of Division Courts.

Division I.—Levi Fairbanks, Whitby.
Division II.—J. Wilson, Pickering.
Division III.—R. Lund, Port Perry.

Division IV.—J. L. Gould, Uxbridge.
Division V.—J. Metcalf, Cannington.
Division VI.—C. Robinson, Beaverton

County Town—WHITBY.

Chief Magistrate—James Rowe, Mayor.
Clerk—Benjamin Yarnold.
Population—About 3,000.
Assessed Value in 1855—£9,423.

Municipalities.

Townships — Brock, Mara, Pickering, Rama, Reach, Scott, Scugog, Thorah, Uxbridge, Whitby; Town of Whitby and Village of Oshawa.

Magistrates.

Burnham, Zacheus, Whitby.
Warren, John B., do.
Mossington, Thomas, Georgina.
Bagshaw, William Brock,
Cowan, Matthew, do.
McDonough, Michael, Thorah or Mara.
Bagshaw, Abraham, Uxbridge.
Allison, William, Whitby.
Campbell, Alexander, Pickering.
McMillan, Archibald, Thorah.
Thompson, John H., Brock.
Hurd, Abner, Reach.
Campbell, John, Whitby.
Robertson, Charles, Thorah.
Johnson, Robert, Georgina.
Dunbar, William, Pickering.
Dryden, James, Whitby.
Truax, John, Reach.
Rickey, James, Brock.
Whitney, Paul, Pickering.
Campbell, Robert, Whitby.
Bostwick, George, Pickering.
Mackey, Levi, do.
Mason, Andrew, Whitby.
Birrell, Ebenezer, Pickering.
Moore, William F., Whitby.
Spears, Robert, do.
Green, Frederick, Pickering.
Dow, William, Whitby.
Hunter, James, do.
Gibbs, William H., Columbus.
Foot, Jonathan, Reach.
Fullerton, Adam, Pickering.
Port, George W., do.
Major, Henry, do.
White, Truceman P., do.
Clerke, John, do.
Michell, W. H., do.
Taylor, Peter, do.
Vail, Ira, do.
Churchill, Levius, do.
Carpenter, Ira B., do.
Nicol, John, Whitby.
Burns, James, do.
Campbell, Aaron, do.
Campbell, Calvin, do.
Farwell, Abraham, do.
Annes, Ezra, do.
Perry, John H., do.
Lynde, Carleton, do.
Willcox, John S. M., do.
Gunn, Robert John, do.
Hepburne, John, do.
Harnden, L., Jun., do.
Ratcliff, John, do.
Brabazon, George, Brock.
Gibbs, Charles, do.
Cowan, Matt., Jun., do.
Way, Reuben, do.
Gillespie, Malcolm, do.
Boucher, James O'Brien, Georgina.
Johnson, James, do.
Bathgate, James, do.
Paxton, Thomas, Reach.
Powson, William, do.
Wells, Robert, do.
Burnham, Jacob, do.
Lund, Richard, do.
Currie, George, do.
Vernon, James K., do.
Card, Levi, Reach.
McPherson, James, Mara.
Garnett, James S., Rama.
Smith, George, Thorah.
Proctor, George, do.
Cameron, Kenneth, do.
McCaskill, William, do.
Cameron, Donald, do.
Gould, Joseph, Uxbridge.
Spear, Robert, do.
Wideman, John, do.
Randall, William, do.

20.—Oxford.

Acres—397,302.
Population in 1852—32,638.
Assessed Value in 1855—£2,170,950.
Liabilities—£30,000.
Amount of Debent. issued—£25,000.

County Officials.

Warden—D. Matheson, M.P.P., Embro.
Treasurer—James Kintrea, Woodstock.
Registrar—J. Ingersoll, Woodstock.
Clerk—W. H. Landon—Woodstock.
Judge Co. Court and Chairman, Quarter Sessions—D. S. McQueen, Woodstock.
Sheriff—James Carrall, Woodstock.
Clerk of Peace—William Lapenotier, Woodstock.
Clerk of County Court and Deputy Clerk of Crown — James Kintrea, Woodstock.
Judge Surrogate—William Lapenotier, Woodstock.
Registrar Surrogate—J. G. Vansittart.

Clerks of Division Courts.

Division I.—G. Whitehead, Woodstock.
Division II.—J. Cowan, Princeton.
Division III.—D. Matheson, Embro.
Division IV.—James Barr, Norwich.
Division V.—David Caufield, Ingersoll.
Division VI.—Charles Hawkins, Tilsonburg.

County Town—WOODSTOCK.

Chief Magistrate—Wm. Grey, Reeve.
Clerk—John Greig.
Population—2,540.
Assessed Value in 1855—£18,303.
Taxes per £ Annual Value, 1854,—3s.

Municipalities.

Townships—Blanford, Blenheim, Dereham, Missouri East, Norwich, Oxford East, Oxford North, Oxford West, Zora East, Zora West; Town of Woodstock and Village of Ingersoll.

Magistrates.

McQueen, David S.
Hatch John, East Oxford.
Gordon, William, West Zorra.
Riddell, Robert, Zorra.
Carroll, John, West Zorra.
Jackson, John, Blenheim.
Deedes, Edmund, West Oxford.
Vansittart, John G., do.
Scatchard, John, Nissouri.
Johnson, Moses, Wilmot.
Vannorman, Benjamin, Dereham.
Martin, Calvin, West Oxford.
Burtch, Archibald, East Oxford.
Vining, Jared, Nissouri.
Harrington, John, Zorra.
Pickle, Nicholas, Blenheim.
Bodnell, James, Jun., Dereham.
Stower, Gilbert, Norwich,
Chambers, George, West Oxford.
Caufield, David, do.
Cameron, Robert, Nissouri.
Swazey, Benjamin, do.
Ingersoll, James, Woodstock.
Mills, Walter M., N. Oxford.
Crotty, Henry, do.
Stroud, Robert, Dereham.
Hawkins, Charles, Dereham.
Wallace, Thomas, Norwich.
Carroll, William, do.
Root, Henry, do.
Carder, George W. do.
Wickham, James, do.
Mott, Moses, do.
Shenstone, Thomas S., Woodstock.
Horning, Joseph, Norwich.
Kilborn, Jared, Blenheim.
Dickson, William, do.
Corner, Jeremiah, do.
Barwick, Hugh C., Woodstock.
Goble, William, Blenheim.
Malcolm, Francis, Zorra East.
McDonald, Robert, do. 11th Con.
Munro, Angus, Zorra West.
Matheson, Donald, do.
Sutherland, Wm., do.
Lewis, Seneca, 1 Con. Zorra West.
McKay, John, Lot 14, 6th Con. Zorra W
Horseman, Denis, Nissouri.
Allen, Nathan P., do.
Bayne, John, 1 Con. Zorra W.
Thornton, Benjamin, Oxford West.
Phelan, Daniel, do.
Maybee, Walter B., do.
Hook, William, Sen., do.
Bodnell, Andrew, Dereham.
Smith, William, do.
Chadwick, Charles E., do.
Tripp, Jonathan, Oxford East.
Burgess, William, do.
Hall, Valentine, do.
Laycock, James, Blandford.
Wilson, William, do.
Overholt, Michael, do.

21.—Perth.

Acres—446,728.
Population in 1852—15,545.
Assessed Value in 1855—£830,347.
Liabilities—£80,150.
Amount of Debent. issued—£3,615.

County Officials.

Warden—Thos. B. Guest, St. Mary's.
Treasurer—Alex. McGregor, Stratford.
Registrar—William Smith, Stratford.
Clerk—Stewart Campbell, Stratford.
Solicitor—E. F. Ryerson, Stratford.
Surveyor—Charles James, Stratford.
Judge Co. Court and Chairman Quarter Sessions—R Burrett, Stratford.
Sheriff—Robert Moderwell, Stratford.
Clerk of Peace—J. Linton, Stratford.
Clerk of County Court and Deputy Clerk of Crown -- Alex. McGregor, Stratford.
Judge Surrogate—R Burrett, Stratford
Registrar Surrogate—Alex. McGregor, Stratford.
Crown Lands Agent—John Sharman, Stratford.

Clerks of Division Courts.

Division I.—Raby Williams, Stratford.
Division II.—T. Matthieson, Mitchell.
Division III.—Dr. Coleman, St. Mary's.
Division IV.—W. Cossey, Shakespere.
Division V.—Samuel Whaley, Millbank.

County Town—STRATFORD.

Chief Magistrate—W. F. McCulloch.
Clerk—Samuel L. Roberts.
Population—Nearly 2,000.
Assessed value in 1855—£87,720.
Taxes per £ Annual Value—2s. 11d.

Municipalities.

Townships—Blanchard, Downie, Easthope North, Easthope South, Ellice, Elma, Fullerton, Gore, Hibbert, Logan, Mornington Wallace; and Town of Stratford.

Magistrates.

Burritt, Read, Stafford.
Daly, John C. W., North Easthope.
Helmer, Andrew, South do.
Kastner, Peter, Ellice.
McCulloch, William F., Stratford.
McPherson, Daniel, Ellice.
Sparling, John, Blanchard.
Sebring, John, Ellice.
Wood, George, Downie.
Stewart, John, North Easthope.
Brown, Thomas, Downie.
Grant, Alexander, North Easthope.
Rankin, James, do.
Hamilton, Alexander, do.
Crerar, Peter, do.
McIntyre, John, Fullarton.
Seegmiller, Adam, Stratford.
Sharman, John, do.
Daly, Thomas M., do.
Mickle, Alexander F., do.
Thompson, John, Downie.
Christie, Thomas, St. Mary's.
Mitchell, Alexander, Stratford.
Zenkann, John, North Easthope.
Fisher, Alexander, do.
Curtis, John, do.
Fryfogle, Sebastian, South Easthope.
Cossey, William, do.
Woods, Peter, Downie.
Nelson, Matthew, do.
Orr, Alexander B., Stratford.
Monteith, Andrew, Downie.
Weber, Jacob, Ellice.
Gourlay, Alexander, do.
Henry, Robert, do.
Ballentine, Robert, do.
Hill, James, Fullarton.
Brown, James, do.
Porteous, Robert, do.
Morgan, Andrew, Hibbert.
McCann, Peter, do.
Donkin, Robert, do.
Cameron, Donald, Blanchard.
Clendinning, James K., do.
Long, Edward, do.
Moscelp, William, do.
Barron, William, do.
Fitzgerald, John, Stratford.

22.—Peterboro and Victoria.

Acres—1,121,500.
Population in 1852—26,894.
Assessed Value in 1855—£1,304,489.
Liabilities—£1,600.
Amount of Debent. issued, £1,600.

County Officials.

Warden—William Cottingham.
Treasurer—Walter Sheridan.
Registrar—Charles Rubridge.
Clerk—Walter Sheridan.
Surveyor—John Reid.
Judge Co. Court and Chairman Quarter Sessions—George B. Hall.
Sheriff—Wilson S. Conger, Esq.
Clerk of Peace and Deputy Clerk of the Crown and Pleas—W. H. Wrighton.
Clerk of County Court—Thos. Fortye.
Judge Surrogate—George B. Hall.
Registrar Surrogate—Thomas Fortye.
Crown Land Agent—Walter Crawford.

Clerks of Division Courts.

Division I.—J. Hall, Sen., Peterboro.
Division II.—James Foley, Norwood.
Division III.—George Reid Otonabee.
Division IV.—T. Matchett, Metcalfe.
Division V.—W. J. Logie, Lindsay.
Division VI.—John Lytle, Oakwood.
Division VII.—I. Ferguson, Woodville.

County Town—PETERBOROUGH.

Chief Magistrate—James Hall, Mayor.
Clerk—Ivan O'Beirne.
Population—About 3,500.
Assessed Value in 1855—£13,544.
Taxes per £ annual value—2s.

Municipalities.

Townships in Peterboro' — Asphodel, Belmont, Burleigh, Douro, Dummer, Ennismore, Harvey, Methuen, Monaghan North, Otonabee, Smith; and Town of Peterborough.
Townships in Victoria—Bixley, Eldon, Emily, Fenelon, Mariposa, Ops, Somerville, and Verulam.

Magistrates.

Hall, George B., Peterborough.
Rubridge, Charles, Otonabee.
Comlin, Francis, do.
Birdsall, Richard, Asphodel.
Wallis, James, Fenelon.
Fraser, Andrew, S., Verulam.
Langton, John, Fenelon Falls.
Scott, Walter, Asphodel.
Choat, Thomas, Dummer.
Stark, Adam, Otonabee.
Campbell, Alexander, Eldon.
Davidson, Samuel, Mariposa.
Best, William, Emily.
Sullivan, Patrick, Ennismore.
Hall, James, Peterborough.
Ridley, Robert, do.
Ferguson, Frederick, do.
Perry, Charles, do.
Harvey, James, do.
Harvey John, Smith.
Fitzgerald, Thomas, do.
Walton, John, do.
Bell, Thomas, do.
Tully Andrew, do.
Cottingham, William, Emily.
Knowlson, Christopher, do.
McDonnell, William, Ops.
Keenan, Thomas, do.
McDonald, Hector, Mariposa.
McPherson, James, Eldon.
Ferguson, Israel, do.
Costello, Daniel, Ennismore.
Bates, Roger, Otonabee.
Bawbell, Henry, do.
Stewart, William, Sen., do.
Strickland, Samuel, Douro.
Clarke, George, do.
Lukie, Sampson, Dummer.
Manly, William, do.
Dunsford, James W., Verulam.
Wickham, Henry T., do.
Chambers, Thomas, Peterborough.
Ryan, Patrick, do.
Wigmore, William, Dummer.
Humphries Robert C., Asphodel.
Cannon, Patrick, do.
Foulds, Henry, do.
Fife, James, do.
Best, Hamilton, Emily.
Lehane, Michael, do.
McFayden, Archibald, Eldon.
Grant, Hector, do.
Jackson, Archibald, do.
Campbell, John G., do.
McDonald, John, do.
Walton, Joseph, Monaghan.
Tully, John, Jr., do.
Gilmour, John W., do.
McNeilly, John, Ops.
Low, Charles, do.
Ray, Thomas W., do.
Short, Thomas, Otonabee.
Ellsworth, Aaron, do.
Doris, James, do.
Learmont, William, do.
McFarlane, Alexander, do.
Brown, Edward, Douro.
Carlow, George, do.
Hogan, James, do.
Hill, George A., Dummer.
Carew, Michael, Ennismore.
Brick, Patrick, do.
Jacobs, John, Mariposa.
Rogers, Obadiah, do.
Whitsides, Robert F., do.
Clarke, William, do.
Pearson, Joseph B., Mariposa.
Campbell, John, do.
Nicholls, Robert, Peterborough.
Claxton, William, do.
Millburn, John, Smith & Harvey.
Garbutt, Isaac, do.
Rae, William, do.
Sanderson, Francis, do.
Hall, John, do.
Moore, William H., do.

Hudson, Charles, Peterborough.
Perry, Egerton, do.
Hughes, Richard, do.
Eastland, William, do.
Snyder, William, do.

23.—Prescott and Russell.

Acres assessed—£414,416.
Population in 1852—13,510.
Assessed Value in 1855—398,880.
Liabilities—None.
Amount of Debentures issued—None.

County Officials.

Warden—A. Petrie, Cumberland.
Treasurer—Neil Stewart, L'Orignal.
Registrar for Prescott—G. D. Reed, Prescott, L'Orignal.
Registrar for Russell—James Keays, Duncansville.
Clerk—Peter O'Brien, L'Orignal.
Judge Co. Court and Chairman Quarter Sessions—Peter Freel, L'Orignal.
Sheriff—C. P. Treadwell, L'Orignal.
Clerk of Peace—Donald McDonald (F)
Clerk of County Court and Deputy Clerk of Crown—J. W. Marston, L'Orignal.
Judge Surrogate—W. K. McKenzie, Vankleekhill.
Registrar Surrogate—J. W. Marston, L'Orignal.

Clerks of Division Courts.

Division I.—S. M. Cushman, L'Orignal.
Division II.—C. Waters, Vankleekhill.
Division III.—C. S. Ouimette, Hawkesbury Village.
Division IV.—A. Hagar, Plantagenet.
Division V.—John S. Cameron, Cumberland.

County Town—L'ORIGNAL.
(Not Incorporated.)

Municipalities.

Townships in Prescott—Alfred, Caledonia, Hawkesbury East, Hawkesbury West, Longueil, Plantagenet North, Plantagenet South.
Townships in Russell.—Cambridge, Clarence, Cumberland and Russell.

Magistrates.

Freel, Peter, L'Orignal.
Johnson, Chauncy, Longueil.
Kearnes, John, Plantagenet.
Stewart, Neil, Hawkesbury West.
Low, Charles A., do.
Coffin, William, do.
Stirling, Peter, Caledonia.
Stirling, Archibald, Hawkesbury W.
Wait, William, Longueil.
Hersey, Charles, L'Orignal.
Petrie, Archibald, Cumberland.
Robertson, Farquhar, Hawkesbury E.
St. Julien, Edward.
McMaster, John, Caledonia.
McLaurin, Peter, do. Scotch Mills.
Higginson, Thomas, Hawkesbury E.
Jameson, William, do.
Waddell, John, do.
Wells, James P., Hawkesbury W.
Kirby, William, Hawkesbury E.
Allison, Andrew, do.
Bradley, William, Caledonia.
Frith, James, Plantagenet.

Tweed, Charles H., Hawkesbury E.
Marston, John W., L'Orignal.
Brown, Elijah, Hawkesbury W.
Lough, Hugh, Jr., do.
Cameron, Ewen, L'Orignal.
Laudriaux, Antoine, do.
Gibson, James, Hawkesbury W.
Edwards, William, Clarence.
McCaul, James, do.
Cook, James W., Russell.
Mattice, John, do.
Conway, James, do.
Castleman, Martin, Cambridge.
Holmes, John, Alfred.
Pattee, John, Longueil.
Hamilton, George, Hawkesbury Mills.
Sterling, James, do. West.
Walker, Henry, Vankleekhill.
Hamilton, John, Hawkesbury Mills.
Cross, George, do. West.
Johnson, Thomas H., Vankleekhill.
McNab, John, Hawkesbury West.
Hersey, Zepheniah, S. M., do.
Shearman, Jonathan, Hawkesbury E.
Burwash, Nelson, do.
Wyman, Hiram B., do.
Everett, Cotton M. do.
Ramsay, John, Longueil.
Johnson, Chauncy, Jun., L'Orignal.
Wilkinson, John L., Caledonia Springs
Cross, James, do.
Renwick, James, do.
McLeod, Duncan, do. (rear.)
Hughes, Humphrey, Alfred.
Erratt, Henry, N. Plantagenet.
Smith, William, do.
Beggs, John, do.
Georgen, Peter, do.
McGregor, Duncan, S. Plantagenet.
McCann, Henry W., Hawkesbury W.
Hager Abner, N. Plantagenet.
McDonald, Arch., Hawkesbury E.

24.—Prince Edward.

Acres—240,150.
Population in 1852—18,887.
Assessed Value in 1855—£974,053.
Liabilities—None.
Amount of Debentures issued—None.

County Officials.

Warden—Wm. Hubbs—Bloomfield.
Treasurer—R. J. Chapman, Picton.
Registrar—John P. Roblin, Picton.
Clerk—R. J. Chapman, Picton.
Judge Co. Court and Chairman Quarter Sessions—D. L. Fairfield, Picton.
Sheriff—James McDonald, Picton.
Clerk of Peace—Philip Low, Picton.
Clerk of County Court and Deputy Clerk of Crown—C. Mortimer, Picton.
Judge Surrogate—Simeon Washburn, Picton.
Registrar Surrogate—Samuel Merrill.

Clerks of Division Courts.

Division I.—John P. Downes, Picton.
Division II.—Thomas Cook, Milford.
Division III.—S. Solmes, Northport.
Division IV.—R. C. H. Cotter, Ameliasburgh.
Division V.—W. Young, Wellington.
Division VI.—Harvey Spafford, Cherry Valley.
Division VII.—J. Cadman, Consecon.
Division VIII.—E. W. Wright, Bongards Corners.

County Town—PICTON.

Chief Magistrate—Charles S. Wilson.
Clerk—John Twigg.
Population—1,900.
Assessed Value in 1855—£5,394.
Taxes per £ Annual Value—1s. 8d.

Municipalities.

Townships—Ameliasburg, Athol, Hallowell, Hillier, Marysburg, Sophiasburg; and Town of Picton.

Magistrates.

Fairfield, David L., Picton.
McDonell, Alexander, Marysburgh.
Dingman, Henry, do.
Hubbs, Benjamin, Picton.
Solmes, Samuel, Sophiasburgh.
Biggar, Charles, Ameliasburgh.
McFaul, Archibald, Picton.
Stevenson, David B. do.
Dougall, William. do.
Stinson, David, do.
Lane, James T., Hillier.
Flayler, Thomas, do.
Clapp, Paul, do.
Roblin, John P., Ameliasburgh.
Way, John B., do.
Lane, John, Marysburgh.
Vanduson, Henry, do.
Howell, Jacob, Sophiasburgh.
Ruttan, Peter W., Sophiasburgh.
Drewry, George, do.
Weller, Benjamin, Ameliasburgh.
Howell, John, Sophiasburgh.
Thirkell, John, Hallowell.
Bougard, Conrad, Marysburgh.
Lazier, Abraham, Hallowell.
Williams, Caleb, do.
Conger, David, do.
Stapleton, John, Hillier.
Murney, John, Hallowell.
Bentley, Wilson, Athol.
Wright, Edward W., Marysburgh.
Allison, John, Sophiasburgh.
Palin, William A., Athol.
Ballard, Norman, Picton.
Conger, Roger B., Hallowell.
Davis, Thomas, Sophiasburgh.
Noxon, Isaac, do.
Gilbert, Daniel, do.
Roblin, (2nd) Philip, do.
Boulter, George, do.
Moran, David, do.
Bougard, John, Marysburgh.
Rattan, Jacob, do.
Wellbanks, Thomas, do.
Rose, John, do.
Stanton, Dyer, Athol.
Yoremans, Arthur, do.
Mandeville, Francis W., Hallowell.
Platt, Henry, do.
McDonald, Alexander, do.
Leavens, Daniel, do.
Herington, Jeremiah, do.
Raynor, Jotham, Hillier.
Pettet, Daniel, Jr., do.
Pennock, Samuel, do.
Scully, Jeremiah, do.
Roblin, Owen, Ameliasburgh.
Peterson, Samuel, do.
Dempsey, Peter, Jr., do.
Roblin, Philip, do.
Williams, Isaac, do.
Moore, Thomas, Picton.
Wycott, James, do.
Pier, Calvin, do.
Mortimer, Cecil, do.
Greely, Absalom, do.
Morden, John H., Ameliasburgh.
Miller, James, do.

25.—Simcoe.

Acres—1,159,400.
Population—30,000.
Assessed Value in 1854—£1,053,828.

County Officials.

Warden—James Sanson, Orillia.
Treasurer—Edmund Lally. Barrie.
Registrar—George Lount, Barrie.
Clerk—John Strathy, Barrie.
Solicitor—John Strathy, Barrie.
Surveyor—Henry Creswick, Barrie.
Judge Co. Court and Chairman, Quarter Sessions—J. R. Gowan, Barrie.
Sheriff—B. W. Smith, Barrie.
Clerk of Peace—Wm. McVity, Barrie.
Clerk of County Court — Jonathan Lane, Barrie.
Deputy Clerk of Crown—H. H. Gowan, Barrie.
Judge Surrogate—J. R. Gowan, Barrie.
Registrar Surrogate—J. Lane, Barrie.

Clerks of Division Courts.

Division I.—Thomas Lloyd, Barrie.
Division II.—T. Maconchy, Bradford.
Division III.—F. Stephens, Tecumseth.
Division IV.—Andrew Jardine, Nottawasaga.
Division V.—John Craig, Flos.
Division VI.—Adam Paterson, Orillia.
Division VII.—John Little, Mulmer.
Division VIII. — George McManus, Mono Mills.

County Town—BARRIE.

Chief Magistrate — T. D. McConkey, Barrie.
Clerk—George Lane, Barrie.
Population—About 2,000.
Assessed Value in 1855—£66,200.
Taxes per £ Annual Value—2s. 1d.

Municipalities.

Townships—Adjala, Essa, Flos, Gwillimbury West, Innisfil, Matchedash, Medonte, Mono, Mulmer, Nottawasaga, Orillia, Oro, Sunnidale, Tay, Tecumseth, Tiny, Tossoronto, Vespra; and Town of Barrie.

Magistrates.

Gowan, James R., Barrie.
Lount, George, W. Gwillimbury.
Dawson, John, do.
Steele, Elmes, Medonte.
Thomson, John, Orillia.
Stephens, Frederick, Tecumseth.
Wickens, James, Jr., Vespra.
Alley, Gerald, Orillia.
Goodfellow, Adam, W. Gwillimbury.
Thompson, Charles, Barrie.
Hume, William Charles, Orillia.
Richey, Wellesley, Nottawasaga.
Coates, Matthew, Barrie.
Campaign, William, Mulmur.
Darling James, Tiny.
Ross, Benjamin, Innisfil.
West, Thomas, W. Gwillimbury.
Craig, John, Flos.
Drury, Richard, Oro.
Moffatt, Andrew, Orillia.
Armson, William, W. Gwillimbury.
White, Peter, Vespra.
Partridge, Charles, Barrie.
Soles, David, Innisfil.
Garbutt, John, W. Gwillimbury.
Ryan, Michael, Adjula.
West, Benjamin, W. Gwillimbury.
Cunningham, Andrew, Tecumseth.
Stephenson, William, St. Vincent.
Wilson, George, Medonte.
Simpson, William, Penetanguishine.
McLaughlin, Michael, Mono.
Dallas, James, Orillia.
Gaviller, Alexander, Tecumseth.
Sanson, James, Orillia.
Walker, Edward A., Barrie.
Hamilton, Wm. B. Penetanguishine.
Drinkwater, John H S., North Orillia.
Moon, Edmund, Medonte.
McConkey, Thomas, Innisfil.
Parker, Thomas, W. Gwillimbury.
Barwick, John, do.
Watson, William, St. Vincent.
Stephens, James D., Nottawasaga.
Strong, William, Essa.
Gamble, Thomas, Tecumseth.
Brown, William, W. Gwillimbury.
Maconchy, Thomas, Bradford.
Evans, David, Tecumseth.
Wilson, Alfred, Innisfil.
Gillard, William, Barrie.
Gilmore, John, Tossoronto.

Whitley, James, Mulmur.
Corley, William, St. Vincent.
Cathay, George, Sunnidale.
Jackson, George, Nottawasaga.
Ray, William Russell, Oro.
McManus, George, Mono.
McWatt, John, Barrie.
Ryall, Edward, Oro.
Sandford, Sidney M., Barrie.
Nalty, William, Nottawasaga.
Beatty, William, Adjala.
Armstrong, John, W. Gwillimbury.
Alexander, John, Barrie.
Rogers, Isaac B., W. Gwillimbury.
Scanton, Mark, do.
Kerr, James, Euphrasia.
McGlashan, J. F., Nottawasaga.
McArthur, Arthur, St. Albans.
Drury, Thomas, Essa.
Williams, John, St. Vincent.
Jeff, Robert, Penetanguishine.
Clement, Lewis, Innisfil.

26.—Stormont, Dundas, and Glengary.

Acres—779,280.
Population—£46,050.
Assessed Value in 1855—£1,384,000.
Liabilities—None.
Amount of Debentures issued—None.

County Officials.

Warden—William Colquhoun, Dickinson's Landing.
Treasurer—R. McDonald, Cornwall.
Registrar for Stormont—George C. Wood, Cornwall.
Registrar for Dundas — Alexander McDonell, Morrisburgh.
Registrar for Glengary—Donald A. McDonald, Alexandria.
Clerk—P. J. McDonell, Cornwall.
Solicitor—P. J. McDonell, Cornwall.
Surveyor—John S. Bruce, Cornwall.
Judge Co. Court and Chairman Quarter Sessions—William Ross.
Sheriff—Daniel E. McIntyre, Cornwall.
Clerk of Peace—J. Pringle. Cornwall.
Clerk of Co Court and Deputy Clerk of Crown—L. McDonald, Cornwal.
Judge Surrogate—George McDonell, Cornwall.
Registrar Surrogate—Alex. McLean, Cornwall.

Clerks of Division Courts.

Division I.—J. McIlae, Williamstown.
Division II.—J. McPherson, Alexandria
Division III.—W. M. Park, Cornwall.
Division IV.—J. Bockus, Osnabruck.
Division V.—John W. Louchs, Williamsburgh.
Division VI.—Henry Stacey, Matilda.
Division VII.—W. Ridley, Mountain.
Division VIII.—J. A. Cockburn, Finch.
Division IX.—Peter Stuart, Lancaster.
Division X.—J. McQuaig, Winchester.

County Town—CORNWALL.

Chief Magistrate—Jacob Farrand Pringle, Cornwall.
Clerk—Charles Poole, Cornwall.
Population—1,646.
Assessed Value in 1855—£70,000.
Taxes per £ Annual Value—2s. 6d.

Municipalities.

Townships in Stormont — Cornwall, Finch, Osnabruck, Roxburgh; and Town of Cornwall.
Townships in Dundas—Matilda, Mountain, Williamsburgh, Winchester.
Townships in Glengary.—Charlottenburgh, Indian Reserve, Kenyon, Lancaster, Lochiel.

Magistrates.

Jarvis, George S., Cornwall.
Vankoughnet, Phillip, do.
McGillvray, John, Charlottenburg.
Crysler, John, Finch.
McDonell, Duncan, Charlottenburg.
Wood, Guy C., Cornwall.
Blacklock, Ambrose, do.
Crysler, John P., Williamsburg.
Shaver, Peter, Matilda.
McDonald, John, Gray's Creek.
McLennan, John, Lancaster.
Cameron, John, Charlottenburg.
Archibald, John, Osnabruck.
Cline, William, Cornwall.
McBean, John, Lancaster.
Cattanach, Donald, Kenyon.
Cattanach, Angus, Lancaster.
Mattice, William, Cornwall.
McCargar, Hugh, Mountain.
Brouse, Jacob, Matilda.
Markley, George, Williamsburg.
Keeler, Isaac, Matilda.
McIlae, John, Charlottenburg.
McDonald, Donald Alexander, Lochiel.
Fraser, Alexander, do.
McLean, Alexander, Cornwall.
Cockburn, Adam, Finch.
Pillar, Michael, Williamsburg.
Rose, Isaac N., do.
Shaver, Samuel, Matilda.
Brouse, Edward, do.
West, James, do.
Fox, Charles James, do.
Laing, George, do.
McDonald, R., Dr., Cornwall.
Hart, Samuel, do.
McDonnell, Donald, do.
French, Benjamin G., do. Township.
Armstrong, Thomas, Mountain.
Harkness, John, Matilda.
Bell, David, do.
Brouse, George, Mountain.
Bell, Walter, Williamsburg.
Holden, James, Matilda.
Hammell, George, Winchester.
Hyndman, Joseph, Mountain.
Christie, Archibald, do.
McPherson, Murdock, Lancaster.
Le Clair, Charles, do.
McDonald, Ronald S., do.
McLennan, F. B., Charlottenburg.
McLachlan, Kenneth, do.
Hay, John, do.
McPherson, Donald, do.
McDonald, James, do.
Cummings, James, do.
Aitken, John, do.
McDonell, Alex., Indian Reserves.
McDougall, Daniel, do.
Stewart, John, Lochiel,
Robertson, Donald. do.
McDonell, Alexander, do.
Quigley, Owen, do.
McLennan, Kennoth, Kenyon.
Rattray, Charles, Cornwall.
McDougall, Alexander, do.
Park, William M., do.
Elliot, Andrew, Matilda,
Rose, Jesse W., Williamsburg.
Croil, James, do.
Shaver, Henry, Osnabruck.
Warner, William, do.
Ault, Samuel, do.
Grant, George C., do.
Campbell, James E. do.
Grant, Robert, do.
Hawley, Ira, do.
Whyatt, Nicholas, do.
Johnston, Adam, Cornwall.
McDonald, John, Sen., do.
McDonald, Donald, do.
McDonell, James, do.
Bennett, Thomas, Roxborough.
Sproul, James, do.

27.—Waterloo.

Acres—328,463.
Population in 1852—26,537.
Assessed Value in 1855—£1,630,728.
Liabilities—£2,000.
Amount of Debent. issued—£2,000.

County Officials.

Warden—John Scott, Berlin.
Treasurer—Christian Enslin, Berlin.
Registrar—David S. Shoemaker, Berlin
Clerk—William Davidson, Berlin.
Solicitor—Æmilius Irving, Galt.
Judge Co. Court and Chairman Quarter Sessions—William Miller, Berlin.
Sheriff—George Davidson, Berlin.
Clerk of Peace—Æmilius Irving, Galt.
Clerk of Co. Court and Deputy Clerk of Crown—James Colquhoun, Berlin.
Judge Surrogate—Wm. Miller, Berlin
Registrar Surrogate—C. Enslin, Berlin.

Clerks of Division Courts.

Division I.—John Davidson, Berlin.
Division II.—Otto Klotz, Preston.
Division III.—Henry Moerum, Galt.
Division IV.—George Colcleugh, Ayr.
Division V—J. Allchin, New Hamburg.
Division VI—M.P. Empey, Hawksville.
Division VII. —James Mirrielees, Canestogo.

County Town—BERLIN.

Chief Magistrate—John Scott, M.D., Reeve.
Clerk—William Davidson, Esq.
Population—About 2,000.
Assessed Value in 1855—£8,417.
Taxes per £ Annual Value—2s. 6d.

Municipalities.

Townships—Dumfries North, Waterloo, Wellesley, Wilmot, Woolwich; the Town of Berlin and Villages of Galt and Preston.

Magistrates.

Miller, William, Berlin.
Reynolds, William, Woolwich.
Cowan, James, Waterloo.
Bettschin, Jacob. Wilmot.
Phin, James, Waterloo.
Hespeler, Jacob, do.
Puddicombe, Henry, Wilmot.
Bowman, Samuel B., Waterloo.
Bowman, Jonathan B., do.
Ahrens, Charles H., do.
Hoffman, John, do.
Ferrie, Robert, do.
Snider, Henry, do.
Tagge, Peter N., do.
Huber, Henry, do.
Kaiser, Anthony, Wilmot.
Doering, Christopher, do.
Meyers, John, Woolwich.
Ross, James, do.
Curtis, Burton, do.
Caldwell, Gavin, do.
Mitchell, William, do.
Grain, Thomas, do.
Taylor, George, do.
Cunningham, William, Wellesley.
Davidson, William, Waterloo.
Beck, Jacob, do.
Hamilton, Thomas, do.
Eby, Henry, do.
Richardson, Thomas, do.
Davidson, Alexander, do.
Schnarr, Hartman, do.
Romback, Ferdinand, do.
Klopher, Jacob, do.
Springer, Moses, do.
McGeorge, Charles, North Dumfries.
Colcleugh, George, do.
Manley, Daniel, do.
Walker, James W. do.
Hall, John, do.
Lutz, Morris C., do.

Cromble, James, North Dumfries.
Cook, Peter, do.
Sampson, Theophilus, do.
Scott, William, Wilmot.
Nevills, Titus G., do.
Masters, John, do.
Erust, John, do.
Cutton, Edward L. do.
Meyer, John, Woolwich.
Winger, Peter, do.
Hendry, Charles, do.
Seaton, John, do., do.
Bristow, Edward, do.
Smith, Robert, do.
Hawk, John, Wellesley.
Hawk, Pearce, do.
McKinley, William, do.
Buchanan, Alexander, do.
Hastings, William, do.
Empey, Michael, P., do.
Taylor, George, (2) do.
Shade, Absalom, Galt.
Bowman, Wendell, North Dumfries.
Buchanan, Alexander, do.
Elliott, Andrew, do.
Climens, Isaac, Waterloo.
Klotzz, Otto, do.
Wylie, Robert, North Dumfries.
Watson, John, do.
Kligour, Joseph, do.
Potter, David, do.
Sharp, James, do.

28.—Wentworth.

Acres—272,200.
Population—28,507.
Assessed Value in 1855—£1,681,219.
Liabilities—£33,952
Amount of Debent. issued—£33,952.

County Officials.

Warden—John Heslop, Ancaster.
Treasurer—J. Kirkpatrick, Hamilton.
Registrar—A. Stuart, Hamilton.
Clerk—Charles O'Counsell, Hamilton.
Solicitor—J. O. Hatt, Esq., Hamilton.
Surveyor—F. J. Rasirick, Hamilton.
Judge Co. Court and Chairmen Quarter Sessions—A. Logie, Hamilton.
Sheriff—E. C. Thomas, Hamilton.
Clerk of Peace—P. B. Spohn, Hamilton.
Clerk of County Court and Deputy Clerk of Crown—Andrew Stewart, Hamilton.
Judge Surrogate — Oliver Springer, Hamilton.
Registrar Surrogate—George Rolph, Dundas.
Emigration Agent—Thomas C. Dixon, Hamilton.

Clerks of Division Courts.

Division I.—W. R. McDonald, Hamilton.
Division II.—A. F. Begue, Dundas.
Division III.—A. Hall, Waterdown.
Division IV.—Wm. W. Barlow, Beverly.
Division V.—J. Bradley, Stoney Creek.

County Town—HAMILTON.

Chief Magistrate—Geo. H. Armstrong.
Clerk—Thomas Beasley.
Population—About 20,000.
Assessed Value in 1855—£190,480.
Taxes per £ Annual Value—3s.

Municipalities.

Townships — Ancaster, Barton, Beverly, Binbrooke, Flamborough East, Flamborough West, Glanford, Saltfleet; the City of Hamilton and Town of Dundas.

Magistrates.

Logie, Alexander, Hamilton.
Wilson, John, Saltfleet.
Wilson, Hugh, do.
Secord, John, Barton.
Serves, Daniel K., do.
Ritchie, Edmund, Hamilton.
Ferrie, Colin C., do.
Williamson, John, Stoney Creek.
Aikman, John, Ancaster.
Ewart, James B., Dundas.
Hammill, Thomas, Ancaster.
Cooley, Preserved, do.
Gourlay, William, Barton.
McNab, Sir Allan N., Hamilton.
Steven, Andrew, do.
Bingham, Elisha, Glanford.
Morgan, Henry, Binbrook.
Smith, Harmanus, Ancaster.
Davidson, John, Hamilton.
Young, John, do.
McNab, Daniel, do.
Spaun, Philip, Ancaster.
Paterson, John, Dundas.
Winer, John, Hamilton.
Maclem, William, Barton.
Hopkins, Gabriel, E. Flamborough.
Craigie, William, Hamilton.
Evans, Edward, Watertown.
Kerr, Archibald, Hamilton.
Heslop, Robert, Ancaster.
Armstrong, George H., Hamilton.
McCoy, Burge, Ancaster.
Hogaboom, George, do.
Stinson, Ebenezer, Hamilton.
Holt, Robert, Dundas.
Jackson, Edward, Hamilton.
Hamilton, Robert J., do.
Gunn, Daniel C., do.
Ryckman, John, do.
Battersby, John, Ancaster.
Gott, William A., Hamilton.
Hamilton James, Dundas.
Waddle, Thomas, Barton.
Green, Samuel, Saltfleet.
Hughson, Nathaniel, E. Flamborough.
Lobridge, Robert, Waterdown.
Kirkpatrick, James, Hamilton.
Hammill, Robert, Copetown.
O'Beirne, Martin J., Hamilton.
Lewis, Daniel, Stoney Creek.
Walker, James, Hamilton.
Freeman, William, Saltfleet.
Birely, Lewis D., Hamilton.
Soules, Benjamin, Saltfleet.
Davis, James G., Hamilton.
Van Wagner, Peter S., Saltfleet.
Triller, John, Hamilton.
Aikman, Michael, do.
Horning, William, Barton.
Rymal, Jacob, do.
Buchanan, Isaac, Hamilton.
Carroll, Peter, E. Flamborough.
Case, Horatio N., Hamilton.
Carpenter, Alexander, do.
McIlroy, Robert, do.
Counsell, Charles O., do.
Park, George, do.
Ford, Nehemiah H., do.
Kerr, William G., do.
Williams, James M., do.
Moore, John F., do.
Davis, Milton, do.
Calder, James, Ancaster.
Cameron, Francis, do.
Binkley, Jacob, do.
Howell, Moses H., do.
Smith, William M., do.
Rymal, John, do.
Shaver, William, do.
Hendershot, Abraham, do.
Draper, Jasper, do.
Howell, Peter, do.
Heslop, John, do.
Shaver, Daniel, do.
Finline, Brooke, Binbrooke.
Ptolemy, Charles, do.
Hall, Henry, do.
Spittal, James, do.
Sidey, John, do.
Flood, James, do.
Binkley, Alex., Glanford.
Springer, Richard, do.
Hannon, Joseph, do.
Smith, Gideon, do.
Holcombe, Seth, do.
McKenzie, Simon, Beverley.
Sager, Malachi, do.
Bennett, John, do.
Jones, George, do.
Nesbitt, Stephen, do.
Dickson, William, do.
Valiance, John, do.
Mizner, Adam, do.
Inksetter, Robert, do.
Christie, Robert, Jr., W. Flamboro'.
Logie, James, do.
Spence, Robert, Dundas.
Colman, James, do.
Miller, William, West Flamboro'.
Thornton, John M., Dundas.
Quarry, John, do.
Mitchell, James, do.
Campbell, Daniel, do.
Overfield, Benjamin, do.
Keagy, John, Dundas.
Bain, Walter, West Flamboro'.
Binkley, Samuel, do.
Sanderson, Hugh, do.
Smith, Thomas, Waterdown.
Stock, Thomas, do.
McMonies, James, do.
Alray, George, do.
Graham, Henry F., do.
Stevenson, James, Jr., Hamilton.
Galbraith, David B., do.
Dayfoot, George C., do.
Williamson, David, Stoney Creek.
Green, Samuel K., do.
Waddel, Robert, Hamilton.
Smith, Lewis, Barton.
McQueen, James, Beverly.
Ferrie, John, Hamilton.
Osborne, William, do.
Gordon, James, do.
Mills, John, do.
Bickell, Tristam, do.
Osborne, James, do.
Lister, Joseph, do.
Cummings, James, do.
Stinson, Thomas, do.
Moore, Hugh, Dundas.
Brown, Michael W., Hamilton.
Leslie, John, Dundas.
Tisdale, Marvin, D. L., Ancaster.
Bigelow, Albert, Hamilton.
McLaren, Wm. P., do.
Nicholls, Willoughby H. do.

Fisher, John, Hamilton.
Baker, Hugh C., do.
Clement, Joseph S., do.
Ford, Nehamiah, do.
Sunley, George, do.
McKenzie, Thomas H., Dundas.
Coleman, James, do.
Overfield, Samuel, do.
Irvine, Adam, do.
Spence, Robert, do.
Sernburgh, Ephraim, do.

29.—Wellington.

Acres—791,604.
Population in 1852—26,796.
Assessed Value in 1855—£1,392,444.
Liabilities—£5,000, ex. Debent.
Amount of Debent. Issued—£13,959.

County Officials.

Warden—Charles Allan, Elora.
Treasurer—William Hewat, Guelph.
Registrar—H. W. Peterson, Guelph.
Clerk—A. D. Ferrier, Guelph or Fergus.
Solicitors—Fergusson and Kingsmill, Guelph.
Surveyor—Francis Kerr.
Judge Co. Court and Chairman Quarter Sessions—Archibald Macdonald.

Sheriff—George J. Grange.
Clerk of Peace—Thomas Saunders.
Clerk of County Court and Deputy Clerk of Crown—James Hough.
Judge Surrogate—A. Macdonald.
Registrar Surrogate—Thomas Keating.

Clerks of Division Courts.

Division I.—Alfred A. Baker, Guelph.
Division II.—William Leslie, Puslinch.
Division III.—Andrew Hewat, Rockwood, Eramosa.
Division IV.—J. Cadenhead, Fergus.
Division V.—William Tyler, Erin.
Division VI.—John Cadenhead, Elora.
Division VII.—John Cockburn, Allansville.
Division VIII—C. O'Callaghan, Arthur.

County Town—GUELPH.

Chief Magistrate—John Smith.
Clerk and Treasurer—James Hough.
Population—3,000.
Assessed Value in 1855—£19,513.

Municipalities.

Townships—Amaranth, Arthur, Eramosa, Erin, Garafraxa, Guelph, Luther, Maryborough, Minto, Nichol, Peel, Pilkington, Puslinch; and Town of Guelph.

Magistrates.

William Reynolds, Pilkington.
William Hewat, Guelph.
Edward Murton, do.
James Webster, do.
Alexander Drysdale, Garafraxa.
Thomas Webster, do.
Alexander D. Ferrier, Nichol.
Henry Strange, Eramosa.
Richard Jackson, Guelph.
William Clarke, do.
Charles J. Mickle, do.
George Armstrong, Eramosa.
James Hodgert, Guelph.
John Harland, do.
James Wright, do.
Thomas W. Valentine, Nichol.
Thomas Mair, Senior, do.
Peter McGill, Erin.
Edmund F. Heath, Puslinch.
John Hammersly, do.
Alexander Harvey, Nichol.
William Leslie, Puslinch.
Henry W. Peterson, Guelph.
David Allan, do.
Alfred A. Baker, do.
John McCrea, do.
Frederick W. Stone, do.
John Smith, do.
William Armstrong, Eramosa.
Robert Royce, do.
James Loghrin, do.
William Phinn, do.
Adam L. Argo, Nichol.
John Cockburn, Puslinch.
Thomas Ellis, do.
Charles Mickle, do.
David Stilton, do.
Charles Allan, Pilkington.
George Barron, Nichol.
Sem Wipler, do.
Alexander Watt, do.
John Watt, do.
Thomas Dow, do.
Thomas Loghrin, do.
William Clark, Erin.
George Henshaw, do.
William Tyler, do.
Charles McMillan, do.
John Wilkie, Garafraxa.
Nelson Hughson, Amaranth.
George Allan, Peel.
Garret Molloy, do.
William Gunn, Arthur.
Richard Hatfield, do.
Andrew Mitchell, do.

30—York and Peel.

Acres in York—515,342.
Acres in Peel—279,743.
Population in 1852 (exclusive of City of Toronto):—York, 79,719; Peel, 24,816.
Assessed Value in 1855:—York, £3,260,855; Peel, £1,543,018.
Total Am'nt of Taxes:—York, £9,037; Peel, 5,307.
Liabilities—York, 1,954; Peel, £689.
Amount of Debentures issued—York, £1,149; Peel, £564.

County Officials.

Warden—J. Hartman, M.P.P. Aurora.
Treasurer—J. S. Howard, Toronto.
Registrar—John Ridout, Toronto.
Clerk—John Elliot, Toronto.
Judge Co. Court and Chairman Quarter Sessions—Samuel Bealey Harrison, Toronto.
Sheriff—W. Botsford Jarvis, Toronto.
Deputy Sheriff—F. W. Jarvis.
Clerk of Peace—G. Gurnett, Toronto.
Deputy Clerk of Peace—J. H. S. Dolmage.
Clerk of County Court—Walter Mc Kenzie, Toronto.
Judge Surrogate—S. B. Harrison, Toronto.
Registrar Surrogate—W. J. FitzGerald, Toronto.

Clerks of Division Courts.

Division I.—A. McL. Howard, Toronto.
Division II.—C. Keller, Unionville.
Division III.—J. Grieve, Richmond Hill.
Division IV.—J. C. Hogaboom, Newmarket.
Division V.—Mark Mossington, North Gwillimbury.
Division VI.—A. Armstrong, Nobleton.
Division VII.—A. Agar, Barnsdale.
Division VIII.—John Paul, Weston.
Division IX.—A. Simpson, Streetsville.
Division X.—T. McKenna, Brampton.
Division XI.—T. Switzer, Sandhill.

County Town—TORONTO.

Chief Magistrate—G. W. Allan, Mayor.
Police Magistrate—George Gurnett.
Clerk—Charles Daly.
Population—About 50,000.
Taxes per £ Annual Value—2s. 10d.

Municipalities.

Townships in York—Etobicoke, Georgina, Gwillimbury East, Gwillimbury North, King, Markham, Scarborough, Vaughan, Whitchurch, York; City of Toronto and Village of Yorkville.
Townships in Peel—Albion, Caledon, Chinguacousy, Toronto, Toronto Gore; and Village of Brampton.

Magistrates.

Harrison, Samuel B., Toronto.
Crookshank, George, do.
Elmsley, John, do.
Baldwin, Augustus, do.
Adamson, Peter, Toronto Township.
Thompson, William, do.
Gamble, John W., Vaughan.
McQuarrie, Hector, do.
Monger, Benjamin, Chinguacousy.
Gamble, William, Etobicoke.
Monro, George, Toronto.
Chewett, James G., do.
Ridout, Thomas G., do.
Denison, George T., do.
Gapper, Richard C., Markham.
Baldwin, Connell J., Toronto Gore.
Lynch, John, Chinguacousy.
Campbell, Francis, do.
Button, John, Markham.
Thomson, Edward W., York.
Gamble, James, Whitchurch.
Fisher, Thomas, Etobicoke.
O'Brien, Lucius, Toronto.
McQuarrie, Donald, Caledon.
Boyd, Francis, Toronto.
Grahame, Wm. R., Vaughan.
Paterson, James, Streetsville.
Berczy, Charles, Toronto.
Crowe, William, Cooksville.
Gardiner, Joseph, Chinguacousy.
McDougall, Daniel, Vaughan.
Bell, George, Caledon.
Clark, William, Scarboro'.
Johnson, James, Albion.
Rogers, Joseph, Toronto.
Sanderson, John Streetsville.
Gorham, Eli, Whitchurch.
Hawkins, John, Toronto Township.
Tomlinson, Joseph, Markham.
Shaver, Peter, Etobicoke.
Kline, John N., Vaughan.
Brett, Thomas, Caledon.
Stewart, Henry, King.
Lesslie, James, Toronto.
Bell, Thomas, do.
Willson, John, York.
Maclem, John, Whitchurch.
McKechanie, Alexander, Vaughan.
Harrold, Samuel, East Gwillimbury.
Baldwin, Wm. A., Toronto.
Brooke, Daniel, do.
Cook, Jacob, Toronto Township.
Cummer, John, York.
Beaty, James, Toronto.
Devenish, William, Scarborough.
Monkman, James, Albion.
Phillips, Samuel E., King.
Graham, Jeremiah, East Gwillimbury.
Ridout, George P., Toronto.
Reeve, Wm. B., Toronto Township.
Thompson, Charles, York.
Crosby, Chauncey, Markham.
Thom, John, Toronto.
Perrin, Wm. L., do.
Eccles, Hugh, do.
Howard, John G. do.
Wakefield, William, do.
Woodill, John, Toronto Gore.
Holden, Sinclair, Markham.
Burr, Rowland, Vaughan.
Pearson, Nathaniel, King.
Freeland, Peter, Toronto.
Howard, James S., do.
Silverthorne, Aaron, Toronto Town'p.
Doel, John, do.
Dennis, Joseph, York.
Helliwell, Thomas, Toronto.
Nation, James, do.
Lawrence, Peter, York.
Cameron, John, Toronto.
Preston, Thomas J., do.
Cathcart, Robert, do.
Lynn, Samuel G., do.
Switzer, Benjamin, Toronto Town'p.
Price, Samuel, do.
Cotton, Robert, do.
Birdsall, William, do.
Adams, William, Albion.
Kent, Francis, Chinguacousy.
Wright, George, do.
Ceasar, John, do.
Milburn, Thomas, Albion.
Switzer, Daniel, do.
Taylor, James, York.
Arnold, Abner, Markham.
Crosby, Henry, do.
Marr, Benjamin, do.
Reesor, Christopher, do.
White, Ira, do.
Wideman, Henry, Whitchurch.
Button, William M., Markham.
Harris, James B., Toronto Township.
Crumble, John, do.
Ogden, Samuel, G., do.
Barber, Robert, do.
Simpson, Adam, do.

Wright, Joseph, Toronto Township.
Duggan, William, do.
Todd, John, do.
Gardner, Robert, do.
Johnston, William, do.
Pointer, Richard, do.
Price, Samuel, do.
Spiers, Wm., Chinguacousy.
Howland, Peleg, do.
Holmes, John, do.
Learmont, William, do.
Allan, William, do.
Haggard, Thomas, do.
Buckham, Andrew, do.
Sinclair, Archibald, do.
Young, Thomas, do.
Lindsay, Samuel, Caledon.
Kirkwood, John, do.
Russel, Thomas, do.
McGregor, John, do.
Dick, David, do.
Bolton, James, Albion.
Wallace, Edward, do.
Roadhouse, William, do.
McDougall, Joseph, do.
Aikins, James C., Toronto Gore.
Bowman, Robert, do.
Somerset, John, do.
Slightholm, James, do.
Figg, Joseph, do.
Howland, William P., Etobicoke.
Smith, Joseph, do.
McFarlane, Alexander, do.
Musson, Thomas, do.
Bagwell, John B., do.
Grubb, William, do.

Wadsworth, William, Etobicoke.
Price, James Hervey, York.
Bloor, Joseph, do.
Denison, Richard L., do.
Gilmor, Isaac C., do.
Alcorn, Samuel, do.
Parker, Reuben A., do.
Selby, William, East Gwillimbury.
Sloan, W. J. do.
Bowes, John G., Toronto.
Whittemore, Ezekiel F., do.
McDonnell, Duncan, do.
Workman, Joseph, do.
Mitchell, James, do.
O'Neill, Terence J., do.
Hayes, James J., do.
Wright, Amos, Markham.
Miller, Henry, do.
Reid, John, do.
Nichols, William, do.
Pringle, Jacob, Jr., do.
Reesor, David, do.
Eckhardt, Frederick, do.
Wright, S. Reid, do.
Clarkson, Hilary, do.
Barker, Archibald, do.
Post, Jordon, Scarborough.
Wheeler, John P., do.
Glendinning, Archibald, do.
Snider, Martin, do.
Purvis, James, do.
Helliwell, William, do.
Teefy, Matthew, Vaughan.
Dickson, George P., do.
Cook, Thomas, do.
Bunt, Frances, do.

Hughes, Job, East Gwillimbury.
Knight, Moses, do.
Stiles, Henry D., do.
Jakeway, Aaron, do.
McMaster, Arthur, do.
Laughton, William, do.
Sprague, David, North do.
Terry, William B., do.
Payson, Ephraim H., do.
Wilson, Hugh T., do.
Irwin, Jared, King.
Smith, James H., do.
Tyson, John, do.
Irwin, Robert, P. do.
Wells, William, do.
Sharpe, John, do.
Noble, Thomas, do.
McLeod, Martin, do.
Hartman, Joseph, Whitchurch.
Jones, Norman, do.
Wheeler, Edward, do.
Smith, Robert H., do.
Playter, George, do.
Brodie, George, do.
James, William, York.
Mulholland, William, do.
Johnson, Abraham, do.
McMullin, James, do.
Bridgeland, Clark B., do.
Tyrrell, William, do.
Lee, William, do.
Pease, Elihu, do.

Gurnett, George, Toronto.
Duggan, George, Jun, do.
Bowes, John, George, do.

CLERGY OF CANADA.

United Church of England and Ireland.

DIOCESE OF QUEBEC.

DISTRICT OF QUEBEC.

Lord Bishop of Quebec—Right Rev. G. J. Mountain, D.D., D.C.L. *Bishop's Official and Examining Chaplain*—Rev. Geo. Mackie, D.D.; *Chaplains*—Rev. S. S. Wood, M.A., Rev. Jasper H. Nicolls, M. A., Rev. Armine W. Mountain, M.A.

Quebec—Lord Bishop, Rector; George Mackie, D.D., Cathedral District; E. W. Sewell, Holy Trinity Chapel; D. Robertson, Chaplain to H. M. Forces; W. A. Adams, D.C.L., Cathedral Lecturer, (Secretary to Church Society); G. Percy, B.A., St. Peter's Chapel; R. G. Plees, St. Paul's Chapel; A. W. Mountain, M.A., and H. Roe, B.A., Curates, having each a Chapel; C. L. F. Haensel, Evening Lecturer, Holy Trinity Chapel; R. A. Carden, Assistant, do.

Point Levy—J. Carry, B.D.

Montmorenci Falls—C. L. F. Haensel.

Valcartier—E. C. Parkin.

Stoneham & Lake Beaufort—R. Short.

Bourg Louis and Port Neuf—W. Binet, B.A.

Upper Ireland, &c.—Vacant.

Leeds—Vacant.

Frampton, &c.—R. S. Birtch.

Riviere du Loup—E. G. W. Ross.

Acting Chaplain to Quarantine Station—A. W. Mountain, M.A.

DISTRICT OF THREE RIVERS.

Three Rivers—S. S. Wood, M.A., Rector.

Riviere du Loup en haut—W. Merrick, B.A.

Nicolet—H Burges, B.A.

Drummondville and Lower Durham—W. M. Ross, (Acting.)

DISTRICT OF ST. FRANCIS.

Kingsey & Upper Durham—A. Balfour.

Richmond and Melbourne—D. Falloon, D.D.

Sherbrooke—C. P. Reid.

Lennoxville—L. Doolittle, M.A., G. Pennefather, B.A., (and at Bishop's College, J. H. Nicolls, M.A., and H. C. Thomson, M.A.)

Compton, &c.—A. A. Allen.

Hatley—H. G. Burrage.

Eaton—J. Dalziel.

Bury, &c.—J. Kemp, B.D.

Dudswell & Ham—T. S. Chapman.

DISTRICT OF GASPE.

New Carlisle, &c.—G. Milne, M.A.

Cape Cove and Perce—Sep. Jones.

Sandy Beach, &c.—F. A. Smith.

Gaspe Basin, &c.—W. Arnold, (retired,) F. De La Mare.

Magdalen Islands—F. Boyle.

DIOCESE OF MONTREAL.

DISTRICT OF MONTREAL.

Lord Bishop of Montreal—Right Rev. Francis Fulford, D.D.—Residence—See House, Montreal.

City of Montreal—Cathedral, Dean, Very Rev. J. Bethune, D.D.; Senior Canon, Ven. Archdeacon Lower, M.A.; Junior Canon, Rev. S. Gilson, M.A.; Honorary Canons, Rev. J. Reid, D.D., Rev. M. Townsend, M.A., Rev. W. T. Leach, D.C.L., Rev. C. Bancroft, M.A.

Archdeacon of Montreal, Ven. H. M. Lower, M.A.

Bishop's Chaplains, Ven. Archdeacon Lower, M.A., Rev. J. Scott, M.A.

Bishop's Secretary, Rev. Canon Gilson, M.A.

St. George's Church—Rev. Canon Leach, D.C.L.; Rev. W. B. Bond, M.A., Assistant Minister.

Trinity Church—Rev. A. D. Campbell, M.A.

St. Stephen's Church—Rev. Jacob Ellegood, M.A.

St. Luke's Church—Rev. Canon Gilson, M.A.

Garrison Chaplain—Rev. E. Regers.

Abbotsford and Rougemont—Robert F. Robinson.

Aylmer and Hull—Rev. J. Johnston.

Berthier and Brandon—Rev. W. Merrick, M.A., Mr. Benson, Catechist.

Bedford—Rev. J, Jones.

Brome—Rev. R. Lindsay, M.A.

Buckingham—Rev. W. Morris.

Chambly—Rev. J. P. White, Rector.

Christieville—Rev. J. A. McLeod.

Clarenceville—Rev. M. Townsend, M.A. Rector.

Clarendon—Rev. J. S. Sykes.

Coteau du Lac—Rev. J. Mountain, M.A.

Cowansville and Churchville—Rev. J. C. Davidson.

Dunham—Rev. J. Scott, M.A., Rector.

Edwardstown—Rev. E. Sutton.

Farnham & St. Brigide—Rev. W. Jones.

Frost Village and Stukeley—Rev. D. Lindsay.

Gore—Rev. G. Griffin.

Granby—Rev. T. Machin.

Grenville—Rev. C. Forest.

Hemmingford—Rev. G. de Courcy O'Grady, M.A.

Henryville—Rev. E. Duvernet, M.A.

Huntingdon—Rev. F. S. Neve.

L'Acadie—Rev. F. E. Judd, M.A.

Lachine—Rev. J. Flanagan.

Lacolle—Rev. S. Moice.

Laprairie—Rev. R. Lonsdell.

Mascouche and Terrebonne—Rev. R. Cornwall.

Milton—Rev. G. Slack, M.A.

New Glasgow & Kilkenny—Rev. A. D. Lockhart.

Ormstown—Rev. W. Brethour, M.A.

Rawdon and Kildare—Rev. C. Rollit.

Russelltown—Rev. J. Fulton.

Sabrevois—Mr. Moulpied, Catechist.

St. Andrew's—Rev. W. Abbott, Rector.

St. Armand East—Rev. Canon Reid, D.D., Rector.

St. Armand West—Rev. R. Whitwell, M.A., Rector; Rev. C. A. Wetherall, B.A., Assistant.

St. Hyacinthe & Upton—Rev. J. Goddeo.

St. John's—Rev. Canon Bancroft, M.A. Rector.

St. Martin's and St. Therese—Rev. T. A. Young.
Sherrington—Rev. T. Mussen, B.A.
Sorel—Rev. W. Anderson, Rector; Rev. P. S. Williams, Assistant for parts adjacent.
Stanbridge East—Rev. T. Constantine.
Sutton—Rev. H. Montgomery.
Vaudreuil—Rev. J. Pyke.
Waterloo and Shefford—Rev. A. T. Whitten.

DIOCESE OF TORONTO.

Lord Bishop of Toronto—The Hon. and Rt. Rev. John Strachan, D.D. LL.D. Archdeacon of Kingston, Venerable George O'Kill Stuart, D.D., LL.D. Archdeacon of York, Venerable A. N. Bethune, D.D. Examining and Domestic Chaplain and Secretary to the Lord Bishop, the Rev. H. J. Grasett, B.D.
City of Toronto—H. J. Grasett, B.D., Rector; Edmund Baldwin, M. A., Assistant Minister of St. James; J. G. D. Mackenzie, M.A., Minister of St. Paul's Church; W. A. Johnson, Assistant Minister of St. Paul's; Alex. Sanson, Minister of Trinity Church; Stephen Lett, LL.D., Minister of St. George's Church; Henry Scadding, D.D., Minister of Church of the Holy Trinity, and Chaplain to the Lord Bishop; W. S. Darling, Assistant Minister of the Church of the Holy Trinity; T. S. Kennedy, Secretary of the Church Society; G. Whittaker, M.A., Provost of Trinity College; G. C. Irving, M.A., Professor of Mathematics.
Etobicoke—H. C. Cooper, B.A., Rector.
Toronto Township—S. Givins, Rector.
York Mills—R. Mitchele, M.A., Rector.
Streetsville—Rob, J. Macgeorge.
Thornhill—D. E. Blake, A.B., Rector.
Markham—G. S. J. Hill, Rector.
Newmarket—S. F. Ramsey, M.A.
Georgina—William Ritchie.
Brock—R. Garrett.
Whitby—John Pentland, A.B.
" V. B. Mayerhoffer, superan.
Scarboro'—W. Belt, B.A.
Norway Mills—James Beaven, D.D.
Lloydtown—Henry Bath Ostler.
Chinguacousy—J. G. Armstrong.
Carlton—Walter Stennett, M.A.

SIMCOE DISTRICT.

Barrie and Shanty Bay—S. B. Ardagh, A.M., Rector; — Morgan, Assistant Minister.
Tecumseth—F. L. Ostler, M.A.
West Gwillimbury—Arthur Hill, B.A.
Orillia—T. Bolton Read.
Penetanguishene—G. Hallen, B.A.
Mono—J. Fletcher, A.B.
Nottawasaga—John Langtry, B.A.

GORE DISTRICT.

Hamilton—J. G. Geddes, M.A., Rector; T. J. M. W. Blackman, Assistant Minister. Church of the Ascension, J. Hebden, A.M.; F. Heise, Ph. D., Minister to the German Congregation; John Butler, M.A.
Barton—G. A. Bull.
Saltfleet & Binbrook—J. L. Alexander.
Ancaster and Dundas—W. McMurray, D.D., Rector.
Brantford—J. C. Usher, Rector.
Mount Pleasant—E. R. Stimson.
Wellington Square—T. Greene, A.B., Rector.
Galt—M. Boomer, A.B.
Paris—Adam Townley.
Oakville—Robert Shanklin.
Milton—Francis Tremayne, Jun.
Norval—T. W. Marsh. B.A.
Missionaries to the Six Nations Indians on the Grand River—Abraham Nelles, Adam Elliott.

WELLINGTON DISTRICT.

Guelph—A. Palmer, A.B., Rector; E. M. Stewart, M.A., Assist. Minister.
Elora—John Smithurst.
Owen Sound—A. H. R. Mulholland.
Wilmot—F. Van Lingo.
Travelling Missionary—J. P. Hodge.

NIAGARA DISTRICT.

Niagara—T. Creen, Rector.
Grimsby—F. J. Lundy, D.C.L., Rector.
Chippewa, Stamford, and Drummondville—W. Leeming, Rector; C. L. Ingles, B.A., Assistant.
Queenston—E. Denroche, B.A.
Thorold—T. B. Fuller, Rector.
Fort Erie—E. Grasett, M.A., Rector.
St. Catherines—A. F. Atkinson, Rector; T. P. Robarts, Assistant.
Louth—Alexander Dixon, B.A. Rector.
Port Maitland and Dunnville—John Flood.
Settlements on Grand River—B. Cudmore Hill, M. A.
Grantham—H. N. Phillips.

TALBOT DISTRICT.

Simcoe—Francis Evans, Rector; Geo. Salmon, Superannuated.
Walpole—T. S. Campbell.

LONDON DISTRICT.

London—B. Cronyn, M.A., Rector, H. Hayward, Assistant, M. M. Dillon, Missionary to Fugitive Slaves.
London Township—C. C. Brough, A.B., Rector.
St. Thomas — George Caulfield, A.B., Rector.
Adelaide—A. Mortimer, Rector.
Carradoc—R. Flood, M.A., Rector, and Missionary to the Muncey Town Indians.
Port Burwell—H. Bate Jessopp, M.A.
Tyrconnell, &c.—Henry Holland.
Malahide—C. Brown.
Port Stanley—J. A. Preston, M.A.

BROCK DISTRICT.

Woodstock—W. Bettridge, B.D., Rector, J. Chambers Gibson, Assistant.
Burford—Vacant.
Oxford—J. W. Marsh; Henry Resell, A.B., Superannuated.
Zorra—F D Fauquier.

HURON DISTRICT.

Goderich—E. L. Elwood, M.A.
Bayfield—R. F. Campbell, M.A.
Stratford—Ephraim Patterson.
Blanchard—Arch'd Lampman.

WESTERN DISTRICT.

Sandwich—E. W. Dewar, M.A.
Amherstburgh—F. Mack, Rector.
Colchester—F. Gore Elliott.
Chatham—F. W. Sandys, Rector.
Warwick—J. Smyth.
Walpole Island—Andrew Jamieson.
Dawn, &c.—John Gunne.
Plympton—J. G. R. Salter, B.A.
Morpeth—C. C. Johnson.
Mersea—John Kennedy.

NEWCASTLE DISTRICT.

Cobourg—A. N. Bethune, D.D., Rector, and Chaplain to the Lord Bishop; Charles Ruttan, Assistant.
Rice Lake—J. W. R. Beck.
Port Hope—Jonathan Shortt, Rector.
Cavan—T. W. Allen, Rector.
Darlington—A. McNab, D.D., Rector.
Clarke—H. Brent, Rector.
Grafton and Colborne—John Wilson.
Cartwright and Manvers—W. Logan.

COLBORNE DISTRICT.

Peterborough—M. Burnham, B.A. Rector.
Emily—Robert Harding.
Fenelon Falls—John Hickie.
Norwood, Asphodel—John Hilton.

VICTORIA DISTRICT.

Belleville—John Grier, M.A.
Port Trent, Frankfort, &c.—W. Bleasdell, A.M.
Rawdon—F. J. S. Groves.

PRINCE EDWARD DISTRICT.

Picton—W. Macaulay, Rector.
Murray—J. Padfield.
Marysburgh—J. R. Tooke.
Wellington—R. G. Cox.
Northport—Thomas Bousfield.

MIDLAND DISTRICT.

Kingston—George O'Kill Stuart, LL.D. Rector; W. M. Herchmer, M.A., Assistant Minister and Chaplain to the Lord Bishop; W. David, M.A., acting; R. V. Rogers, Minister of St. James' Church; T. H. M. Bartlett, M.A., Officiating Chaplain to the Forces; W. Greig, Minister of St. Paul's Church; E. C. Bower, Minister of St. Mark's Church, Barriefield; H. Mulkins, Chaplain to the Provincial Penitentiary.
Portsmouth—F. W. Dobbs.
Bath—W. F. S. Harper, Rector.
Napanee—W. B. Lauder, A.B., Rector.
Amherst Island—John Rothwell, A.B.
Camden, Loughborough and Portland—Paul Shirley.

JOHNSTOWN DISTRICT.

Brockville—J. Travers Lewis, LL.D.
Elizabeth Town—W. C. Clarke.
Prescott—Robert Blakey, Rector; R. Leech, Assistant Minister.
Kemptville—H. E. Plees, Rector.
Smith's Falls—J. B. Worrell.
Travelling Missionaries—N. Watkins, F. Tremayne.
Gananoque—John Carroll.

BATHURST DISTRICT.

Perth—Alexander Pyne, Rector; M. Harris, M.A., superannuated.
Franktown—R. Lewis.
Pakenham and Fitzroy—J. A. Morris.
Merrickville—Ebenezer Morris.

DALHOUSIE DISTRICT.

Bytown—S. S. Strong, D.D., Rector.
Richmond—C. B. Pettit, B.A., Rector.
March—Matthew Ker.

EASTERN DISTRICT.

Cornwall—Henry Patton, Rector.
Williamsburgh—E. J. Boswell, Rector.
Osnabruck—Romaine Rolph.
Mountain & Edwardsburgh—J. Harris.

OTTAWA DISTRICT.

West Hawkesbury—R. L. Stephenson.
Pembroke— ——— Baker.

MANITOULIN ISLAND.

F. A. O'Meara, LL.D.

Roman Catholic Church.

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Monseigneur C. F. Baillargeon, Eveque de Tloa, Administrateur.
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Hopital-General—M. E. G. Plante, Chap., M. L. T. Bedard, Anc. Chap.
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St. Roche—MM. Z. Charest, cure; J. B. Z. Bolduc, J. Martel, P. Dionhe, vicaires.
Hopital de la Marine—J. B. Z. Bolduc.
Congregation de St. Roch—R. P. J. B. Faleur.
Eglise St. Sauveur—RR. PP. F. Durocher, F. A. Grenier, H. Pinet, O.M.J.

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St. Laurent—J. Naud.
St. Jean—A. Gosselin.
St. Francois—T. F. Destroismaisons.
Ste. Famille—G. H. Besserer.

COTE DU NORD.

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St. Casimir—N. Guertin.
Deschambault et St. Alban—C. E. Poire.
Cap-Sante—E. Morin.
St. Basile—J. Sasseville.
Ecureuils—Z. Gingras.
Pointe-aux-Trembles—L. E. Parent.
St. Raymond—P. J. Bedard.
St. Augustin—A. Milette.
Ste Catherine—W. Dunn.
Ste Foye—P. Huot.
Ancienne-Lorette—J. Laberge.
St. Ambroise—F. Boucher.
Charlebourg—E. Payment.
Lac Beauport et Laval—O. Paradis.
Valcartier et Stoneham—P. T. Clarke.
Beauport—J. Langevin.
Ange Gardien—F. X. Leduc; J. Asselin, anc. cure.
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Ste. Anne—P. Gariepy.
St. Ferreol—E. Richard.
St. Joachim—L. Provencher.
Petite-Riviere—T. Larouche.
Baie St. Paul—M. Chauvin; L. Otisse, Vicaire.
St. Urbain—P. Clement.
Ste Agnes—J. Lagneux.
Eboulments—C. Gagnon; G. Beaulieu, Vicaire.
Isle-aux-Coudres—J. B. Pelletier.
St. Irenee—C. Pouliot.
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S. Fidele, &c.—F. Morissette.
Chicoutimi—F. A. Blouin.
Grand Brule—A. Casgrain.
Grande-Baie—L. Gill.
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Labrador—H. Pinet.

COTE DU SUD.

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Lotbiniere—E. Faucher.
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St. Antoine—P. Beland; B. Robin.
St. Nicolas—E. Baillargeon.
Halifax, &c.—J. M. Bernier.
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St. Giles, &c.—W. Richardson.
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Somerset, &c.—C. Trudel.
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St. Silvestre—J. O'Grady; M. Dowling.
St. Jean Chrysostome—P. Beaumont.
St. Romuald—P. Sax.
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Pointe Levy—J. H. Routier; J. B. Cote.
St. Henri—J. B. Grenier; J. P. Lefrançois, anc. cure; J. Couture, anc. cure.
St. Lambert—O. Brunet.
St. Isidore—L. Poulin.
St. Anselme—J. B. Bernier.
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Riviere-Ouelle—C. Begin.
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Kamouraska—N. Hebert; F. O. Hebert, Assistant.
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Ste Helene—I. Doucet.
St. Andre—N. Doucet.
Riviere-du-Loup, &c.—N. Beaubien.
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Ste Cecile—L. Marceau.
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St. Francois de Sales—A. O. Giroux.

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St. Gabriel—Jos. Brissette.
St. Felix—J. S. Aubin.
St. Jean de Matha—Auce.
St. Thomas—C. Lebel.
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St. Norbert—T. E. Dagenais.
Lavaltrie—H. Marcotte.
Lanoraie—J. O. Giroux.
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St. Paul—T. L. Brassard.
Kildare—D. Laporte.
Ste Melanie—F. Jeannotte.
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St. Liguori—J. Barrette.
St. Alexis—V. Clement.
Ste. Julienne—C. Loranger.
Rawdon—J. Quinn.
St. Alphonse—
St. Roch de l'Achigan—Et. Hicks.
St. Lin—T. Hurteau.
St. Calixte—H. Morin.
St. Esprit—M. Charron.
St. Henry—J. M. Cheviguy; L. Gagne, Ancien Cure.
Lachenaie—E. Normandin; M. Morin, Ancien Cure.
Terrebonne—A Theberge.
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St. Jerome—M. Brunet.
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St. Anicet—I. Poirier.
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St. Clement—D. Charland; Perrault, vicaire.
St. Louis de Gonz—J. Seguin.
Ste. Martine—E. Blyth.
St. Urbain—U. Archambault.
St. Jean Chrysostome—H. Beaudry; M. Caisse, Vicaire.
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Chateauguay—J. Dequoy.
Ste. Philomene—L. Turcot.
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Sault St. Louis—P. Antoine
St. Philippe—A. Proulx.
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St. Jean Dorch—C. Larocque; M. Quintal, Ancien Cure.
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Emily—John Burk.
Wolfe Island—John Foley.
Port Hope—Kyran O'Keeffe.
Lochiel—John Meade.
Alexandria—John McLachlan.
Napanee—Thomas McMahon.
Williamstown—F. McDonagh.
Kingston—Thomas Walsh, Jas. Quinlan, Alex. McDonnell. (infirm.)
Sheffield—John Gallagher.

DIOCESE OF TORONTO.

Right Reverend Armand Francis Mary De Charbonnel, Bishop of Toronto; Very Revs. E. Gordon and P. Point, Vicars General; Ven. and Rev. P. Molony, Archdeacon.
Cathedral of St. Michael—Right Rev. A. F. M. DeCharbonnel; Revs. J. M. Bruyere, J. Joyce, and F. Wardy.
St. Paul's—Thomas Fitzhenry.
St. Mary's—John O'Neill.
College of St. Michael—J. M. Soulerin, Superior; J. Malbos, Treasurer; P. Molony W. Flannery and C. Vincent, Professors; George Northgraves, M. Rooney, M. J. O'Dea, and Charles Livermann, Ecclesiastics.
Oshawa—J. B. Proulx.
Adjala—X. Pourret.
Toronto Gore—Eugene O'Reilly.
Niagara and Snapp—Louis Musart.
St. Catharines—B. Grattan and P. Conway.
Hamilton—Edward Gordon, V.G., and A. Cazayon
Dundas—J. O'Reilly.
Brantford—J. Ryan.
Ingersoll—R. Keleher.
London—T. T. Kirwin, Rural Dean, and Peter Crennan.
St. Thomas—J. D. Ryan.
Chatham—J. V. Jaffre, S. J.
Raleigh—M. Raynel.
Amherstburgh—M. J. Daudet; C. Angelvi.
Sandwich—P. Point V. G., S. J.; J. Maingui, S. J.; J. Grimau, S. J.; P. Cornelian, S. J.
Goderich—Peter Schneider.
Manitoulin—J. Hanipaux, S. J.; N. Point, S. J.
Sault Ste Marie—J. B. Menet, S. J., A. Kohler, S. J.
Missions of Lake Superior—D. Duranquet, S. J.; P. Chone, S. J.
Penetanguishene—Claude Ternet.
Wellesley—C. Mesner, St. Clement.
New Germany—J. B. Baumgartner.
Orillia—J. F. Synnot.
Brock—J. Walsh.
Barrie—J. Jamot and J. Hoban.
Stratford—P. Kearney.
Tecumseth—Rattigan.
Wilmot—R. F. Ebner, S. J., St. Agatha.
Guelph—J. Holzer, S. J.; F. Matoga, S. J.
Diocesan Missionaries—John McNulty, M. Moncoq.
Retired at Sandwich—A. Vervais.
Superannuated—J. O'Flynn.

Presbyterian Church of Canada.

IN CONNECTION WITH THE CHURCH OF SCOTLAND.

Synod meets at Kingston on last Wednesday of May. 1856.
Rev. Alexander Mackid, Goderich, Moderator.
Rev. Andrew Bell, L'Orignal, Synod Clerk.
John Cameron, Esq., Toronto, Treasurer.

MONTREAL PRESBYTERY.

Meets at Montreal on the First Wednesday of February, May, August and November.
Thomas Haig, Beauharnois, Clerk.
Montreal, St. Andrews—A. Mathieson, D.D.
Chatham and Grenville—Wm. Mair.
Ormstown—James Anderson.
Georgetown—James C. Muir.
Quebec, St. Andrews—John Cook, D.D.
Lachine—William Simpson.
Hemmingford—John Merlin.
Huntingdon—Alexander Wallace, A.B.
Montreal, St. Paul's—R. McGill, D.D.
New Richmond—John Davidson.
St. Louis—James T. Paul.
Beauharnois—Thomas Haig.
Melbourne—Thomas Morrison.
Valcartier—David Shanks.
Beech Ridge—John McDonald.
Point Levi—Duncan Anderson, A.M.
Three Rivers—George D. Ferguson.
Vacant Charges—Norvaltown & Russelltown, Laprairie, Dundee.
French Missionary within the bounds of Presbytery—T. J. Charbonell.

PRESBYTERY OF GLENGARY.

Meets on the Third Wednesday of January, May and September.
T. McPherson, A.M., Lancaster, Clerk.
Cornwall—Hugh Urquhart, A.M.
Lancaster—Thomas McPherson, A.M.
Cote St. George—Æneas McLean.
Finch—Donald Munro.
Williamsburgh—Thomas Scott.
L'Orignal & Plantagenet—A. Bell.
Osnabruck—Robert Dobie.
Vacant Charges—Williamstown, Martintown, Lochiel, Indian Lands, Coteau du Lac, Vankleek Hill, Dalhousie Mills.

PRESBYTERY OF HAMILTON.

Meets at Hamilton on the Second Wednesday in January, May and September.
John B. Mowat, A.M., Niagara, Clerk.
Goderich—Alexander Mackid.
Guelph—Colin Gregor.
Stratford & N. Easthope—W. Bell, A.M.
Simcoe—George Bell, A.B.
Niagara—John B. Mowat, A.M.
Galt—Hamilton Gibson.
Chatham—John Robb.
Woodstock and Norwich—F. P. Sim.
Saltfleet and Binbrook—William Johnson, A.M.
Dundas & Ancaster—Kenneth McLennan, A.B.
London—John Skinner, D.D.
Hamilton—Robert Barnet.
North Dorchester—W. McEwen, A.M.
Wawanosh—James Stewart.
Westminster—James McEwen, A.M.
Woolwich—James Thom.
Fergus—George MacDonnell.
Vacant Charges—Nelson and Waterdown, Williams, Amherstburgh Clinton, Dover, Lynedoch, St. Thomas, Wellesley, Brantford, Puslinch, Yarmouth, Aldborough, Kincardine, Arthur, Elderslie, Greenock & Culross.
Retired Ministers—William King and George McClatchty.

PRESBYTERY OF BATHURST.

Meets at Perth and Ottawa City alternately on the Second Wednesday in January, May and September.
William Bain, A.M., Perth, Clerk.
Perth 1st Church—William Bell, A.M.
South Gower—Joseph Anderson, A.M.
Pakenham—Alexander Mann, A.M.
Kitley—David Evans.
Lanark—Thomas Fraser.
Perth, St. Andrew's—Wm. Bain, A.M
Ramsay—John McMorien.
Bytown—Alexander Spence.
Smith's Falls—Solomon Mylne.
Brockville—John Whyte.
Beckwith—Duncan Morrison.

McNab & Horton—G. Thompson, A.M.
Richmond—Peter Lindsay.
Litchfield—John Lindsay.
Vacant Charges—Cumberland & Buckingham, Huntley.
Ordained Missionary—James Sinclair.

PRESBYTERY OF KINGSTON.

Meets at Kingston on the First Wednesday of every month.
George Weir, A.M., Kingston, Clerk.
Kingston—John Machar, D.D.
Seymour—Robert Neill.
Queen's College—J. Williamson, LL.D., John Smith, A.M., James George.
Belleville—Archibald Walker.
Vacant Charge—Camden.

PRESBYTERY OF TORONTO.

Meets at Toronto on the Third Tuesday of February, May, August and November.
J. Barclay, D.D., Toronto, Clerk.
Pickering—Peter McNaughton, A.M.
Esquesing & Milton—Peter Ferguson.
King—John Tawse, A.M.
Chinguacousy—Thomas Johnson.
Mono—Alexander Lewis.
Eldon—John McMurchy.
Toronto—John Barclay, D.D.
Gwillimbury West—Alexander Ross.
Clarke and Hope—Samuel Porter.
Hornby—William Barr.
Nottawasaga—John Campbell, A.M.
Thora—David Watson, A.M.
Darlington—John H. McKerras, A.M.
Mulmur—Archibald Colquhoun.
Scott and Uxbridge—William Cleland.
Newmarket—John Brown.
Markham—James Gordon, A.M.
Scarboro'—James Bain.
Vacant Charges—Vaughan, Brock and Reach.

Synod of the Presbyterian Church of Canada.

Officers of Synod, 1855-6.—Rev. Thos. Lowry, Bradford, Moderator; Rev. W. Reid, Toronto, Clerk of Synod, and General Agent for Schemes of Church.

PRESBYTERY OF TORONTO.

Toronto, Knox's Church—R. Burns, D.D.
Whitby—James Findlay.
West Gwillimbury—Thomas Lowry.
Vaughan—William Meldrum.
Chinguacousy—A. T. Holmes.
York Mills—Thomas Wightman.
Thorah and Eldon—John McTavish.
Acton—John Mc Lachlan.
Oakville—James Nisbet.
Streetsville—Robert Ure.
Oro and Orillia—John Gray.
Union & Norval—J. Alexander, A.M.
King—James Adams.
Barrie and Innisfil—Rob. McKenzie.
Scarboro—John Laing.
Red River—John Black.
M. Willis, D.D., Professor of Theology, Knox's College; G. P. Young, do.
James Harris, without charge.
W. Reid, Synod Clerk, &c.
T. Wightman, Presbytery Clerk.

PRESBYTERY OF COBOURG.

Cobourg—Donald McLeod.
South Cavan—James Douglass.
Peterboro—John M. Roger.
Grafton and Osborne—J. W. Smith.
Darlington—John Smith.
Baltimore and Coldsprings — W. J. McKenzie.
Otonabee—Francis Andrews.
Curtwright and Manvers—Rob. Boag.
North Cavan—William Blain.
Norwood—James Bowie.
Trenton—J. Thompson.
J. W. Smith, Presbytery Clerk.

PRESBYTERY OF KINGSTON.

Gananoque—Henry Gordon.
Demorestville—James Rogers.
Belleville—William Gregg, A.M.
Kingston, Chalmers Church ———
" *Brock Street*—And. Wilson.
Madoc—James W. Chesnut.
Picton—Thomas Chambers.
W. Gregg, Presbytery Clerk.

PRESBYTERY OF BROCKVILLE & OTTAWA.

Prescott—R. Boyd, A.M.
Brockville—J. McMurray.
South Gower—W. J. Macdowell.
Osgoode and Gloucester—W. Lochead.
Dalhousie—James Geggie.
Macnab and Horton, S. C. Fraser, M.A.
Ottawa—Thomas Wardrope.
Pembroke—Andrew Melville.
Wakefield—John Corbett.
Beckwith—Peter Gray.
Perth—James B. Duncan.
Aylmer and Nepean—J. L. Gourlay.
Ramsay—James Smith, M. A.
Bristol—David Wardrope.
Without Charge—W. Smart.
S. C. Fraser, Presbytery Clerk.

PRESBYTERY OF MONTREAL.

Metis—W. McAlister.
Quebec—W. B. Clark.
St. Therese de Blainville—David Black.
Lachute—Thomas Henry.
Indian Lands—David Gordon.
Richmond—R. C. Swinton, Missionary.
Osnabruck—J. C. Quin.
Montreal, Cote Street—D. Fraser, A.M.
St. Eustache, &c.—William Scott.
Winslow, &c.—Ewan McLean, Miss'y.
Lochiel—Duncan Cameron.
Leeds—James McConechy.
Cornwall—Hugh Campbell.
Lancaster, &c.—John Anderson.
Durham and St. Louis de Gonzague—Robert McArthur.
English River—John Milne.
Laguerre—J. Crombie.
Montreal, St. Gabriel Street—A. F. Kemp
Rev. D. Fraser, Presbytery Clerk.

PRESBYTERY OF LONDON.

Zorra—Donald McKenzie.
North Easthope—Daniel Allan.
Stratford—Thomas McPherson.
Egmondville—William Graham.
Ingersoll—Robert Wallace.
Elfrid and Mosa—W. R. Sutherland.
Chatham—Angus McColl.
Williams—Lachlan McPherson.
Woodstock—Wm. S. Ball.
Aldborough—Duncan McMillan.
London—John Scott.
Buxton—William King.
Brucefield—John Ross.
Woodstock—Duncan McDiarmid.
Amherstburgh—William McLaren.
Blandford—Andrew Tolmie.
Plympton—William Porterfield.
Sarnia—David Walker.
Port Stanley—William Doak.
Saugeen—James H. McNaughton.
J. Scott, Presbytery Clerk.

PRESBYTERY OF HAMILTON.

Saltfleet and Binbrook—Geo. Cheyne.
Dundas—M. Y. Stark.
Galt—John Bayne, D D.
Hamilton, Knox's Church—R. Irvine.
" *McNab Street*—David Inglis.
Fergus—George Smellie.
Cumminsville and Nairn—A. McLean
Guelph—Samuel Young.
Owen's Sound—John McKinnon.
Ayr—Duncan McRuar.
Caledonia and Allan's Settlement—Jas. Black.
Brantford—John Alexander.
Nassagaweya—Andrew J. McAuley.
Niagara—James Pirie.
Paris—Andrew Stevens.
Wellesley—John McKay.
Blenheim—John Gillespie.
St. Catherines—R. F. Burns.
M. Y. Stark, Presbytery Clerk.

United Presbyterian Church in Canada.

Next meeting of Synod to be held in Hamilton, on Tuesday, June 3, 1856, at half-past seven o'clock, P.M.
Robert Torrance, Moderator.
William Fraser, Clerk.

PRESBYTERY OF LONDON.

Bethel, English Settlement—J. Skinner.
London—John J. A. Proudfoot, Clerk.
Warrensville, Brucefield—John Logie.
Goderich—John Fraser.
St. Mary's, Downie—William Cavan.
Adelaide, Warwick—William Deas.
McKillop—Matthew Barr.
Harwich—Alexander W. Waddell.
Ingersoll, Woodstock—Archibald Cross.
Detroit, Mich.—John Hogg.
Bayfield—James Duncan.
Vacancies — Westmluster, Chatham, Hibbert, Flat Creek, Tilbury.

PRESBYTERY OF FLAMBORO'.

Flamboro', Dundas,—Thos. Christie.
Caledonia, Indiana, Oneida—Andrew Ferrier, D.D.
West Dumfries—Alexander Ritchie.
Beverly—John Porteous, Clerk.
Chippawa—William M. Christie.
Thorold—William Dickson.
Ancaster—John Lees.
Vacancies—Hamilton, St. George, Dunville.

PRESBYTERY OF TORONTO.

Toronto, 2nd—John Taylor, M.D.
West Gwillimbury, Tecumseth, Essa—William Fraser.
Dunbarton & Canton—Alex. Kennedy.
Chinguacousy, 1st & 2nd—D. Coutts.
Toronto, 1st—John Jennings.
Richmondhill—James Dick, Clerk.
Toronto Township & Brampton—James Pringle.
Vaughan, Albion—Peter Glassford.
Vacancies—Pickering, Caledon.

PRESBYTERY OF CANADA EAST.

Montreal—William Taylor, D.D.
New Glasgow—Alex. Lowden, Clerk.
Madrid, N.Y.—John Morrison.
Lachute—Walter Scott.
Huntingdon—James Watson.
Vacancies—Hemmingford, Shemmington.

PRESBYTERY OF LANARK.

Smith's Falls—William Aitken.
Fitzroy Harbor, Torbolton—Alexander Henderson, Clerk.
Vacancies—Pakenham, Arnprior.

PRESBYTERY OF DURHAM.

Whitby—R. H. Thornton, Clerk.
Port Hope—John Cassie.
Clarke—George Lawrence.
Emily, Manvers, Ops—John Ewing.
Mariposa, Lindsay, Verulam—Gilbert Tweedie.
Ernestown, Fredericksburgh—J. Scott.
Newton, Newcastle—Wm. C. Young.
Amherst Island—James Macintosh.
Vacancies—Darlington, Oakhills.

PRESBYTERY OF WELLINGTON.

Elora—John Duff.
Eramosa—William Barrie.
Euphrasia, St. Vincent—J. F. A. S. Favette.
Guelph—Robert Torrance, Clerk.
Lake Shore—Robert Dewar.
Vacancies—Esquesing, Brant, Sydenham, Sable River.

PRESBYTERY OF BRANT.

Blandford—Joseph Scott.
Paris—David Caw.
Blenheim—George Murray.
Brantford—Alexander A. Drummond, Clerk.
Norwichville—Robert Rodgers.
Glenmorris—John Dunbar.
Mount Pleasant—Patrick Greig.

Wesleyan Methodist Church in Canada.

Enoch Wood, President of the Conference, and General Superintendent of Missions; John Ryerson, Co-Delegate; S. D. Rice, Secretary.

TORONTO DISTRICT.

Toronto East—John Gemley, John Bredin; Anson Green, D.D., Superannuated; George R. Sanderson, James Spencer, Egerton Ryerson, D.D, Lachlin Taylor.
Toronto West—John Borland, Charles Lavell, George McRitchie.
Yonge Street—Richard Jones, Benjamin Jones, J. Sanders; Horace Dean, Superannuated.
Humber—Robert Lochead.
Brampton—Samuel C. Philp, William Andrews.
Cooksville—Benjamin Nankeville; Jonathan Scott, Supernumerary.
Whitby—D. B. Madden, A. Drennan.
Markham—Thomas Jeffers, R. Fowler; David Yeomans, Superannuated.
Nelson—Thomas Campbell; D. Wright, Superannuated.
Milton—John Hunt.
Georgetown—John Law.
Stouffville—Ashton Fletcher.
Prince Albert—Thomas Demorest.
Richard Jones, Chairman.

HAMILTON DISTRICT.

Hamilton—James Elliott, Ephraim B. Harper; S. Belton, Superannuated.
Dundas—G. Goodson, E. H. Dewart.
Waterdown—Joseph Messmore.
Glandford and Seneca—T. Williams, R. Johnson.
Nanticoke—J. Goodfellow, J. Wilson.
Dunnville—Luther O. Rice.
Cayuga—James Armstrong.
Grimsby—S. Huntingdon, T. Cobb.
Stoney Creek—John English; William Haw, Supernumerary.
Suspension Bridge—Peter Ker, Superannuated.
St. Catherines—Kennedy Creighton.
Thorold—Thomas Bevitt, R. J. Foreman.
Drummondville—Alexander T. Green.
Niagara—G. N. A. F. T. Dixon.
Welland—James Harris; John Baxter, Reuben E. Tupper, Superannuated.
Cainsville—William Sutton.
Thomas Bevitt—Chairman.

BRANTFORD DISTRICT.

Brantford—I. B. Howard; H. Biggar.
Mount Pleasant—W. S. Griffin; R. Heyland, Superannuated; C. Byrne, Supernumerary.
Paris—O. H. Ellsworth.
Woodstock—W. McCullough, J. Shaw, John Wakefield.
St. George—Thomas Fawcett.
Galt—George Kennedy.
Ingersoll—Ozias Barber, W. Williams.
Norwich—Peter German, D. M. Hill.
Simcoe—Joseph Shepley.
Dover—E. M. Ryerson, Supernum'y.
Walsingham—Matthew Swann; Matthias Holtby, Supernumerary.
Fredericksburg—Isaac Crane.
Aylmer—Francis Berry, Jas. Morgan.
Vienna—Edwin Clement.
New Credit—Matthew Whiting.
Grand River—W. Ryerson, P. Jones.
W. McCullough, Chairman.

LONDON DISTRICT.

London—Henry Wilkinson, Jos. E. Sanderson.
London Circuit—Thomas Cleghorn, J. W. Savage; E. Stoney, sup'd.
Westminster and Fingal—John Hutchinson, T. Hoskin.
St. Thomas—William Price; Thomas Harmon, superannuated.
Strathroy—J. K. Williston.
Warwick—Thomas Crews.
Port Stanley—Francis Chapman.
Devonshire—J. Webster, W. K. Morden.
Belmont—William Savage.
Henry Wilkinson, Chairman.

CHATHAM DISTRICT.

Chatham—N. F. English, W. Hawke.
Mount Elgin and Muncey—S. Rose, J. Sunday, Abraham Sickles.
Wardsville—William Ames.
Wallaceburgh—Aaron Miller.
Morpeth—William Dignam, Richard Phelps, Superannuated.
Gosfield—William Chapman.
Sandwich & Windsor—Edward White.
Amherstburgh—E. L. Koyle.
Port Sarnia—John G. Laird, Thomas Pearson.
St. Clair—Solomon Waldron.
Samuel Rose, Chairman.

GUELPH DISTRICT.

Guelph—Lewis Warner, A. Edwards.
Elora—Charles Sylvester.
Berlin and Blenheim—Thomas Robson, Andrew Smith.
Peel—C. W. M. Gilbert, Ezra Adams, Superannuated.
Stratford—George Case.
St. Mary's—Henry Reid.
Clinton—Alexander Campbell.
Goderich—John S. Evans, James Berry.
Mitchell—I. B. Aylesworth, M.D.
Kincardine—S. D. Maudsley.
Arthur—Thomas Lawson.
Mono—Richard Pinch, Peter Empey.
Erin—Robert Corson.
Wellesley—William Glass.
Grey—Jas. E. Dyer, J. Armstrong, 1st, Superannuated.
Morris—John A. Dowler.
Wallace and Howick—James Clarke.
Wawanosh ———
Mount Forest ———
Lewis Warner, Chairman.

OWEN'S SOUND DISTRICT.

Newash—Conrad Vandusen.
Colpoy's Bay ———
Owen's Sound—Samuel Fear, W. M. C. Luke; John Neelands, Sup'y.
St. Vincent—Thomas Culbert.
Sydeen—John Kahbeege.
Southampton—William Richardson.
Derby—George Jacques.
Durham—Joseph Hill.
Walker's Mills—William R. Dyre.
Proton—John L. Kerr.
Osprey—David Hunt.
Bruce Mines—Joseph Forsyth.
Garden River—Geo. W. McDougall.
Lake Superior, North Shore—George Blaker.
Conrad Vandusen, Chairman.

BARRIE DISTRICT.

Barrie—John Douse.
Innisfil—Thomas Stobbs.
Bradford—W. Young, W. McDonagh.
Cookstown—John A. Williams.
Newmarket—Wm. Willoughby, John S. Clarke.
Holland Landing—George Cochran.
Snake Island—David Costellow.
Brock—George T. Richardson.
Rama ———
Flos and Orillia—Stephen Brownell, Alexander R. Campbell.
Penetanguishene Road and Beausoleil Island—Edward Sallows.
French River ———
Collingwood Harbour—Joel Briggs.
John Douse, Chairman.

COBOURG DISTRICT.

Cobourg—George H. Davis; J. Beatty, Superannuated.
Victoria College—Saml. S. Nelles, A.M., Principal; Samuel D. Rice, Governor.
Port Hope—J. W. McCollum, George Briers.
Bowmanville—Thos. Cosford, Samuel Tucker.
Newcastle—William S. Blackstock.
Cartwright and Scugog—T. Hanna.
Millbrook—James Hughes, H. Blackstock, Supernumerary.
Peterborough—W. H. Poole.
Smith—Levi Vanderburg.
Rice Lake—William Herkimer.
Alnwick—James Musgrove, Wm. Case.
Alnwick Circuit—James Iveson.
Colborne—Charles Taggart.
Lindsay—J. C. Osborne, W. H. Laird.
Metcalfe—William Briden.
Norwood—George Carr, Amos E. Russ.
Keene—Henry McDowell.
J. Musgrove, Chairman.

BELLEVILLE DISTRICT.

Belleville—John Carroll.
Consecon—M. Fawcett, P. Germain.
Picton—J. C. Slater, William Tomlin, Gilbert Miller, Daniel McMullen, Supernumaries.
Sidney—John Lever, David Johnson.
Brighton—William McFadden, Jabez Bunting Keough.
Demorestville—Vincent B. Howard, C. R. Allison, Superannuated.
Shannonville—Nelson Brown.
Hungerford—Michael Baxter.
Madoc—J. Sanderson; Stephen Miles, Superannuated.
Stirling—John Black.
Percy and Seymour—W. H. Williams, J. Youman's.
William McFadden, Chairman.

KINGSTON DISTRICT.

Kingston—John Ryerson, G. Douglass, Henry Byers, Supernumerary.
Napanee—G. F. Playter, A. Fletcher, Jr.
Wilton and Loughboro—Francis Coleman, A. Dayman, G. J. Dingman.
Bath and Amherst Isle—David C. Clappison, William Shannon.
Waterloo-Kingston—William Philp.
Gananoque—Charles Turver.
Newborough—William M. Pattyson.
Farmersville—George Beynon, J. W. German.
Newburgh—Charles Fish.
Sheffield—John Mills.
Storrington—J. Thompson.
John Ryerson, Co-Delegate, Chairman.

BROCKVILLE DISTRICT.

Brockville—Richard Whiting.
Prescott—Henry Lanton.
Maitland—Ashael Hurlburt, E. Peake.
Perth—David C. McDowell.
Kemptville—James Greener; J. Masson; H. Shaler, Superannuated.
Matilda—James Gray, John B. Armstrong.
Smith's Falls—Sylvester Hurlburt; Wm. Brown, Supernumerary.
Carlton Place—Joseph Reynolds.
Lanark Village and Sherbrooke—Wm. Burns; A. Adams, Supernumerary.
Packenham—Robert Hobbs.

Merrickville—Robert Brewster.
Cornwall—John Hewes, Rich. Keegan.
Winchester—Erastus Hurlburt.
Ashael Hurlburt, Chairman.

OTTAWA DISTRICT.

Ottawa City—James Brock.
Aylmer—Robert Robinson.
Richmond — William Coleman, John Bradon.
L'Orignal—Wm. Morton, James Roy.
Lochaber—David Hardie.
Osgoode—William McGill, J. Lafimer.
Gattineau—Silas Huntingdon.
Clarendon and Portage du Forte—Luther Houghton, Wm. Scales.
Westmeath—Richard Hammond.
Huntley—Thomas McMullen
Grenville—John D. Pugh.
James Brock, Chairman.

MONTREAL DISTRICT.

Montreal Centre—Wellington Jeffers; John Douglas, Supernumerary.
Montreal West—George Young.
Montreal East—Joseph Jones.
Rawdon and Wesleyville—W. Creighton, James Morris.
St. John's—Robert Cooney, A.M.
Chambly—David Jennings.
Odell Town—Wm. Scott.
Hemmingford—Richard Clarke.
Russeltown—Richard Wilson.
Huntington—Isaac Barber, J. Sweet.
St. Andrews—James H. Bishop, And. Armstrong.
Cavignall—Wm. Hewitt.
Wellington Jeffers, Chairman.

QUEBEC DISTRICT.

Quebec—William Pollard.
Point Levi—Wm. Hansford.
Three Rivers—Wm. Steer.
Leeds—John Armstrong.
Chaudiere—Edward Cragg.
Melbourne—T. W. Constable, B. Cole.
Danville ———
Sherbrooke—Benjamin Slight, A.M.
Eaton—Robert Graham.
Dudswell ———
Gaspe—E. F. Ingalls, Supernumerary.
Benjamin Slight, A.M., Chirman.

STANSTEAD DISTRICT.

Stanstead—Malcolm McDonald.
Compton—John B. Selley, M.D.
Hatley ———
Coaticoke—John Pugh.
East Bolton—Joseph Hewgill.
Shefford—Gifford Dorey.
Granby ———
Dunham—Rufus A. Flanders. Samuel E. Phillips; Barnabas Hitchcock, Supernumerary.
Sutton—Francis Hunt.
St Armand—James Norris.
Clarenceville—John Tomkins.
John Tomkins, Chairman.

HUDSON'S BAY TERRITORY.

Norway House, Lake Winnepeg—Thos. Hurlburt.
Oxford House—Robert Brooking.
Lac-La-Pluie—Allan Salt.
Edmonton House and Rocky Mountain—Thomas Woolsey and H. Steinhaur.
Thomas Hurlburt, Chairman.

Methodist New Connection.

TORONTO DISTRICT.

Toronto—D. Savage.
Yorkville—J. Dent.
Whitchurch—J. Caswell.
Trafalgar—J. Simpson.
Caledon—G. Langford.
Brock—N. C. Gowan.
Milton—W. Webb.
J. Caswell, Chairman of District.

HAMILTON DISTRICT.

Hamilton—W. McClure, J. Brennan; Supernumerary.
Ancaster — D. Betles, J. Kettle, J. Haynes, Supernumerary.
Welland Canal—E. Williams, W. Williams.
Barton—J. Wilkinson.
Nassagewaya—J. Bell.
Waterloo—J. McAlister.
Cayuga—Thomas Ogden.
Lake Erie Mission—J. A. Miller.
W. McClure, Chairman.

LONDON DISTRICT.

London—J. H. Robinson, J. Scott.
London North—W. Presten.
Howard—B. Haigh, W. Tindall.
Blanshard—F. G. Weaver.
Goderich ———
Elgfrid—C. Curry.
Morris—T. O. Adkins, J. Walker.
Colchester ———
J. H. Robinson, Chairman.

WATERFORD DISTRICT.

Waterford—T. Goldsmith, J. Hill, W. Ramage, Supernumerary.
St. Thomas—J. B. Kershaw.
Malahide—H. Wilkinson.
Norwich—Thomas Rump.
Thomas Goldsmith, Chairman.

JOHNSTOWN DISTRICT.

Lansdown—W. Barnett, J. C. Warren, Supernumerary.
Elizabethtown—D. D. Rolston.
Oxford—W. Gundy.
Crosby—T. Reid, J. Doel, J. Hales, Supernumerary.
Drummond ———
Marlborough—J. Baskerville.
W. Gundy, Chairman.

CAVAN DISTRICT:

Cavan—John Histon.
Manvers—J. Vining, J. Crawford.
Newcastle—W. Bothwell.
Prince Edward—O. Whitcomb.
J. Histon, Chairman,

OWEN SOUND DISTRICT.

Arthur—A. Clark.
Durham—T. M. Jeffries.
Sydenham—J. Gaddis.
Southampton—S. Gundy.
Eldersley ———
Thomas M. Jeffries, Chairman.
Montreal—J. C. Watts.
Connexional Officers—J. H. Robinson, General Superintendent of Missions; W. McClure, Assistant do.; T. Lottridge, Treasurer of the Connexion; R. H. Brett, Financial Secretary. M. Aikman, Mission Secretary.

Methodist Episcopal Church in Canada.

John Reynolds, Belleville, and Philander Smith, Brecklin, General Superintendants.

NIAGARA ANNUAL CONFERENCE.

TORONTO DISTRICT.

Isaac Breck Richardson, Presiding Elder.
Darlington—Jas Draper, Wm. Pirritte.
Whitby—R. B. Cook; C. W. Fraser, Superannuated.
Markham—George Lawrence.
Newmarket—George Smith.
Nelson—A, L. Thursten.
Yonge Street—H. Dockham; J. Richardson, Superannuated.
Toronto—J. Hayard.
Orangeville—J. M. Collins.
Georgetown—J. Gilray, C. Taylor.
Garafraxa—J. Foster.

NIAGARA DISTRICT.

J. W. Jacobs, Presiding Elder.
Hamilton—G. Shephard, S. Morrison; T. Webster, Supernumerary.
Barton—W. D. Brown.
Niagara—H. Taylor; E. Sweazy, Supernumerary.
Welland—J. Wood.
Canboro—G. Bennett, H. Kelly.
Gainsboro—E. Bartram.
Saltfleet—W. F. Lowe.
Tuscarora—S. Dunnett.
Caledonia.—B. Brown.

OXFORD DISTRICT.

E. Bristol—Presiding Elder.
Dumfries — J. McLean; B. Markle, Superannuated; S. Steward, Supernumerary.
Blenheim—J. Ormerod; W. Cape, Supernumerary.
Oakland—E. Lounsberry; J. Owen, Superannuated.
Norwich—J. Gibson.
Straffordville—A. E. Griffith.
Houghton—Wm. Yokum.
Vienna—J. Curts; E. Harris, Superannuated.
Malahide—W. D. Hughson; C. Pettis, Superannuated.
Dorchester—L. P. Smith, M. Benson.
St. Mary's—Thomas Dawes.
Oxford—G. Able, S. J. Wright.
Embro—A. Housburger.

LONDON DISTRICT.

G. P. Harris, Presiding Elder.
London Station—J. Tufford; J. Baily, Superannuated.
London Circuit—A. Jones; D. Culp, Superannuated.
Maitland—N. A. Fraser.
Stanley—J. W. Byam.
Southwold—E. Draper.
Howard—T. Atkinson.
Thames—B. Lawrence.
St. Clair—R. Yokum.
Dawnquel—N. Roy.
Dover—O. G. Collamore.

HURON DISTRICT.

W. Woodward, Presiding Elder.
St. Vincent—S. L. Kerr.
Arthur—R. L. Tindall.
Kincardine—A. Bradshaw.
Collingwood—M. D. Archer.
Durham—W. Campbell.

BAY QUINTE CONFERENCE.

BAY QUINTE DISTRICT.

J. Gardener, Presiding Elder.
Hope Circuit—W. Graham; T. Lewis, Superannuated.
Colourg—A. McLaren; J. Gatchell, Superannuated.
Brighton—J. F. Wilson, John Pomroy; S. W. Ladue, Superannuated.
Percy and Seymour—W. E. Norman. Eli Woodcock.
Rawdon—John A. Rogers.
Huntingdon & Elzevir—N. H. Howard.
Sidney—S. Young.
Belleville—D. Wilson; W. Bird, Agent for Belleville Seminary.
Halowell—B. W. Blanchard, J. Q. Adams; E. Orser, Supernumerary.
Consecon—R. Sanderson.

KINGSTON DISTRICT.

Benson Smith, Presiding Elder.
Tyendinaga — H. Williams, J. Rombough; D. Brown, Supernumerary.
Napanee—R. Earl.
Bay Quinte—J. G. Bull, W. A. Sills; R. Perry, Superannuated.
Hinchinbrook—Thomas Plate.
Waterloo—J. Tuke, W. H. Graham.
Kingston—J. B. Aylsworth; J. H. Johnson, General Agent for Belleville Seminary.

Wolfe Island—J. N. D. West.
Gananoque and Escotte—J. C. Burnell.

AUGUSTA DISTRICT.

A. Wright, Presiding Elder.
Brockville—P. P. Pomeroy.
Augusta—W. Brown.
Elizabethtown—H. Lane; G. Bissell, Superannuated.
Furmersville—G. Jones.
Crosby—Daniel Pomroy.
Rideau—J. D. Bell.
Matilda and Stormont—J. W. Sills, A. Hunt; M. Davy, Superannuated.
Winchester—Daniel Smith.
Ottawa and La Chute—D. N. Robinson, C. W. Lent; J. McNally, Supernumerary.
Ottawa City—C. Manson.
Westmeath—James Smith.
Bonna Cheur and Eganville—J. P. Sparrow; E. J. Feelford.

Primitive Methodist Church in Canada.

The Conference of 1856, to be held at Hamilton, April 11.
T. Adams, President.
E. Barrass, Secretary.

TORONTO DISTRICT.

Toronto—E. Barrass.
Yorkville—R. Cade.
Etobicoke—J. Garner, W. Gledhill, W. Jolley, Sup.
Markham—J. Lacey, T. Foster, J. Clarke.
Darlington—J. Edgar.
Albion—J. Nattrass, J. Haldershaw.
Scarboro'—R. Poulter.
Reach—W. Lyle, W. Cooke.
Kingston—T. Crompton, J. Markham.
Portland—J. Simpson, J. Milner.
Napanee—G. Wood.
Montreal ———

HAMILTON DISTRICT.

Brampton—R. Boyle, R. Stevenson;
Hamilton—W. Roe.
Walpole—W. J. Dean, R. Paintin, J. G. Montgomery.
Blenheim—W. Newton.
Galt and Guelph—J. Davison, R. Paul.
Orangeville—T. Dudley.
Peel & Wellesley—S. Driffill, J. G. Montgomery, R. Paintin, J. R. Swift, J. Fowler, Sup.
Woodstock—R. Parsons.
London—W. Stephenson, R. Stephenson.
Paris and Brantford—T. Adams.
Brant—W. Lomas.
Bosanquet—J. Ryder.
St. Vincent—T. Nattrass.

Congregational Denomination.

The Annual Meeting of the Congregational Union of Canada, will be held in Hamilton, on the Second Wednesday in June, 1856.
W. F. Clarke, London, Chairman of Union.
Kenneth M. Fenwick, Kingston, Secretary and Treasurer.
Abbotsford & Granby—G. B. Beecher.
Albion—J. Wheeler.
Belleville—H. D. Powis.
Brantford—J. Wood.
Brock ———
Brockville—J. Fraser.
Brome & Cowansville—S. Rattray.
Bowmanville—Thomas Relkie.
Caledon—R. J. Williams.
Chinguacousy—John McLean
Cobourg—Thomas Snell.
Cold Springs—William Hayden.
Colpoy's Bay— — Sky.
Danville & Shipton—A. J. Parker.
Durham—D. Dunkerley.
Eaton—E. J. Sherrill.
Elora—James Middleton.
Eramosa—Enoch Barker.
Esquesing—J. Armour.
Georgetown, Trafalgar, Churchtown, and Stewartown—J. Unsworth.
Georgeville & Potton—L. P. Adams.
Glanford ———
Hawkesbury—E. A. Noble.
Hamilton—E. Ebbs.
Indian Lands, Glengary—J. Campbell.
Inverness ———
Kingston—K. M. Fenwick.
Lanark, 1st Church—R. K. Black.
Lanark Village—H. Lancashire.
London—W. F. Clarke.
Markham—J. B. Robinson.
Martintown—J. McKillican.
Melbourne—Thomas Bayne.
Montreal, 1st Church—H. Wilkes, D.D.
Montreal, 2nd Church ———
Newcastle ———
Newmarket—T. Baker.
Nottawassaga—N. McKinnon.
Norwood ———
Owen Sound—L. Kribs.
Oro—A. Raymond.
Paris and Burford—J. Vincent.
Phillipsburgh—J. Buckham.
Port Sarnia ———
Port Stanley ———
Quebec—W. H. Hugh de Burgh.
Russeltown—G. Ritchie.
Saugeen—J. Johnson.
Scotland—William Hay.
Simcoe—Samuel Harris.
Sherbrooke—J. Robertson.
Springford—H. Denny.
Southwold—W. Burgess.
Stanstead (North)—R. V. Hall.
St. Andrews—A. Sim, M.A.
St. Francis—P. P. Osunkhirhine.
Stouffville—J. Durrant.
Stratford—S. Snider.
Toronto, 1st Church ———
Toronto, 2nd Church—F. H. Marling. Toronto Theological Institute—A. Lillie, D.D., and A. Wickson, M.A.
Vaughan—A. J. Jupp.
Warwick—D. McCallum.
Windsor ———
Whitby—J. T. Byrne.
Ministers without stated charges—H. Wilson, Missionary, St. Catherines; J. Nall, Agent of Tract Society, Brantford; W. P. Wastell, Agent French Canadian Missionary Society; John Roaf, Toronto; W. Clarke, London; John Climie, Bowmanville; S. King, Hamilton; S. Ward, Toronto; T. Searight, Norwood; W. Allworth, J. Hay.

Canada Christian Conference.

Conference meets at Oshawa, on the last Wednesday in June, 1856.
G. W. Colston, President; J. W. Collins, Secretary, Newmarket.
Oshawa—Thomas Henry and J. R. Hoag.
Brougham—J. W. Sharard; Jehiel Churchil.
Bowmanville—Jesse Yancamp.
Bondhead—Hyram Hayward.
Brooklin—G. W. Colston, L.C. Thomas.
Whitby—B. F. Perry.
Castleton—Elisha Alger.
Grafton—J. W. Noble, J. L. Russ, B. L. Bradley.
Gormsley's Corners—John Macklem.
Newmarket—H. H. Willson.
Queensville—Squire Morton.
Keswick—Jesse Tatton, C. P. McMillan.
Newhope—F. B. Rolf. Wm. Henry.
Straffordville—John Earl.
Little Britain—N. C. Earl.
Beverly—Joseph Godkin.
Scotland—Charles Hayner.
Burgessville—Sylvenus Nicholls.
Allensville—J. Liburtis.

Bible Christian Church in Canada West.

Conference meets at Guldeboard, Hope, the First Thursday in June, 1856.

COBOURG DISTRICT.

Cobourg—J. B. Tapp, Chairman, J. Pinch, J. Hughes, J. Langdon, Superannuated.
Peterborough—John Hodgson.
Dummer—Henry Stevens.
Huntingdon—T. Green.
Seymour—A. Morris.
Hungerford—A. Doble.

BOWMANVILLE DISTRICT.

Darlington (East)—W. Hooper, S. P. Robins.
Darlington (West)—H. Ebbott, J. Hooper.
Mariposa—J. H. Eynon, R. Miller.
Pickering—P. Robins, Chairman; T. Hull.

HURON DISTRICT.

Mitchell—R. Hurley, Chairman; T. Robbins.
Usborne—J. Williams, J. Dix.
Clinton—J. Edwards, D. Cantlin.
London—R. L. Tucker.
Without Charge—G. Haycroft.

Baptist Denomination.

South Monoghan—James Baird.
Coaticook—Joseph Chandler.
Mount Elgin—W. B. Chapel.
Montreal—Benjamin Davies, Ph. D.
Picton—Alexander Dick, M.A.
Toronto—James Dick, Robert Dick, Alexander Lorimer.
Clarence—John Edwards.
Peterboro—John Gilmour.
Brougham—Thomas Gostick.
Simcoe—Charles Hallam.
Woodstock—W. H. Landon.
Quebec—David Marsh.
Owen Sound—Peter McDonald.
Weston—Malcom McVickar.
Nithburg—Walter Milne.
Innerkip—L. S. Parmelee.
Peterboro—E. Roberts.
Cobourg—Samuel Tapscott.

Ministers who affiliate with the preceding, yet wish to avoid all sectarian names.

Weston—James Brooke.
Brampton—William Millard.

Regular Baptist Denomination in Canada.

Amherstburg—A. Bingel & I. J. Rice.
Ancaster—Elijah Clarke.
Arthur—Walter Millar.
Artemesia—Thomas J. Jones.
Augusta—Robert Hamilton.
Aylmer—Joseph Clutton.
Barnston, C. E. ———
Bastard—Alexander Anderson.
Beamsville—William Hewson, A.M.
Berlin—Henry Schnider.
Beverly—Ephraim Smith.
Binbrook—Job Moxsom.
Blenheim—David Currey.
Bloomsburg—James Stothard.
Boston, C.W.—Thomas R. Owen.
Bosanquet—Alfred Chute.
Brantford—Thos. L. Davidson, A.M.
Bredalbane ———
Brighton—A. Snider.
Brockville—P. Schofield, M.D.

Bronte—John Oakley.
Brock—Alexander McIntyre.
Caledon—Hugh Reid.
Canboro—David Way.
Carleton-Place—L. Holcroft.
Chatham, C.E.—John King.
Chatham, C. W.—H. H. Hawkins, A. Campbell & S. White.
Cayuga—S. T. Atkins.
Colchester—Jacob Her & G. Simpson.
Cramahe ———
Crosby—E. McEarthlu.
Dawn—W. P. Newman.
Dereham—Mark W. Hopkins.
Dorchester—Job Gibson.
Drummondville—John Roberts.
Dundas & E. Flamboro'—I. J. Hoile.
Durham—Alexander Stewart.
East Oxford—Edward Topping.
East Gwillimbury ———
East Hope—Milne S. Bagley.
Eaton, C.E.—Archibald Gillies.
Elma—Edmund R. Phillips.
Elmsley—Duncan McNab.
Esquesing—J. Clark & T. Pickard.
Farmersville—Hugh Nichols.
Fingal—Abram Duncan.
Font Hill—J. W. Pritchard.
Forestville—Jonathan Williams.
Fredericksburgh—W. McClellan.
Gananoque—J. Cheetham.
Godmanchester—James Green.
Gosfield—Thomas Corlett.
Grande Ligne—L. Normandeau, C. Roux, & T. Reindeau.
Haldimand—Daniel Walt.
Hamilton—A. Booker & P. Broadwater.
Hartford—Jacob Van Loon, Sen.
Hawksville—James Sim.
Henryville, C.E.—James N. Williams.
Hillsburg—John Clarke.
Houghton—William McDermaird.
Howick—William Hulbert.
Ingersoll—W. C. Beardsall.
Kempville—W. K. Anderson.
Kincardine—William Frazer.
King ———
Kingston—Thomas H. Facer.
Lawrenceville—George Wilson.
Leeds—Abel Stevens.
Lobo—William Wilkinson, A.M.
Lochaber—John Edwards.
London—C. Campbell & D. A. Turner.
Malahide—Shook McConnell.
Mariposa—Malcombe Gillespie.
Markham and Pickering—C. G. Purrett.
McGillivray—W. George, Thos. Paul.
Mersea—Robert Herrington.
Montreal—T. R. Jones, Narcisse Cyr.
Newmarket—Vacant.
New Sarum—Abram Smith.
Niagara—F. Lacey.
North East Hope—W. L. Baily.
Norwich—W. McClellan.
Oakland—William Haviland.
Onondaga—J. Painter, W. Hooper.
Onondaga Village—B. H. Carryer.
Oro—Hector McLean.
Osgoode—Daniel McPhail.
Osnabruck—Vacant.
Paris—John Nesbit.
Pelham—S. W. Folger.
Perth—Vacant.
Port Hope—H. Lloyd, A.B.
Port Rowan—Heman Fitch.
Port Ryerse—George J. Ryerse.
Rawdon—William Geary.
Reach—W. Hurlburt, J. Holman.
Sandwich—S. Robinson—H. Brown.
Scotland and Burford—John Winterbottom.
Sidney ———
Silver Hill—George Curtis.
Simcoe—Abram Austin.
St. Andrews, C. E.—J. Dempsey.
St. Catharines—J. E. Ryerson.
St. George—William Smith.
St. Mary's, C. E.—Louis Roussy.
St. Pie, C. E.—Theodora Lalleur.
St. Thomas—D. W. Rowland.
Stanbridge, C. E.—F. N. Jersey.
Stanstead—E. Mitchel.
Tilsonburg—H. A. Conrad.
Toronto—James Pyper, D D.
Tuscarora—James. N. Cusick.
Villa Nova—J. Goble, and J. Van Loon, Jun.
Vittoria—Charles Walker.
Walpole—Thomas Stillwell.
Waterford—Aaron Slaght.
Waterloo—George Patten.
Whitby—John Gerrie.
West Oxford—H. E. Ford.
Woodstock—J. Cooper, G. Duncan.
Woolwich—Burton H. Curtis.
Yarmouth—Thomas Mills.
Yonge Street—J. Goodcham.
Zone Mills—Alexander M. Facey.

Ministers without Pastoral Charges—Anthony Scott, Agent of Missionary Convention; Jno. Cameron, Francis Pickle, Blenheim; John Harris, Mount Pleasant; Samuel Read, Brantford; W. Jackson, do.; S. Baker, Itinerant; Daniel Wright, Itinerant; J. S. Cox, Itinerant; Z. W. Caufield, Boston. C. W.; P. Fairchilds, do.; J. Rainboth, Indian Lands; T. H. Thompson, Itinerant.

COLLECTORS OF CUSTOMS, CANADA.

Those marked thus are Warehousing Ports.*

*Amherst,** J. J. Fox.
*Amherstburgh,** E. Anderson
Bath, W. J. Fairfield.
Beauce, T. Taschereau.
*Belleville,** S. S. Finden.
*Brantford,** D. Curtis, Jr.
Brighton, J. Verner.
*Brockville,** W. B. Simpson.
Bruce, J. J. Penefather.
*Bytown,** Duncan Graham.
*Chatham,** W. Cosgrove.
*Chippewa,** F. H. Haycock.
Clarenceville, Chas. Stewart.
*Cobourg,** W. H. Kitson.
*Cornwall,** G. C. Wood.
Coteau du Lac, P. E. Walter.
Dickenson's L'g, R. H. Bullock
Dunnville, W. B. Sheehan.
*Dundas,** W. B. Gwyn.
Dundee, J. Cameron.
Elgin, A. McMillan.
Fort Erie, T. Kerby.
Frelighsburgh, A. Kemp.
Gananoque, Wm. Brough.
*Gaspe,** J. C. Belleau.
*Goderich,** D. Lawson.
*Grafton,** S. S. Walsh.
Georgeville, C. Bullock.
Hamilton, J. Davidson.
*Hallowell or Picton,** J. Roblin
Hemmingford, C. N. Johnson
Hereford, R. Vincent.
Huntingdon, James Botham.
*Kingston,** James Hopkirk.
Lacolle, T. Gordon.
L'Isle Verte, J. W. Heath.
*Maitland,** D. Jones.
Maria Town, A. McDonnell.
*Montreal,** T. Bouthillier.
Napanee, Henry Acton.
*Niagara,** T. McCormick.
New Carlisle, John Fraser.
Newcastle, (B. Head)—Smith
Oakville, R. K. Chisholm.
Oshawa, C. Walsh.
Owen Sound, W. Stephens.
Penetanguishene W. Simpson.
Phillipsburg, P. P. Russell.
Prescott, A. Jones.
Port Burwell, J. P. Bellairs.
Port Cramahe, A. Lennon.
Port Saugeen, J. McLean.
*Port Trenton,** A. Macaulay
*Port Coaticook,** J. Thompson
Port Credit, W. Donohue.
*Port Colborne,** T. Parke.
Port Darlington, D. Fisher.
*Port Dalhousie,** J. Clark.
*Port Dover,** E. Webster.
*Port Hope,** M. Whitehead.
Port Milford, ———
Port Morrisburg, A. M'Donell
Port Sutton, B. Seaton.
*Port Sarnia,** T. Forsyth.
*Port Stanley,** R. Smith.
Port Rowan, G. J. Reade.
Potton, J. H. McVay.
*Queenston,** P. B. Clement.
*Quebec,** J. W. Dunscomb.
Russeltown, J. Davidson.
Riviere aux Raisins, W. Robinson.
Rondeau, George Duck.
Rimouski, S. Gauvreau.
*Sandwich,** J. F. Elliott.
*Sault Ste. Marie,** J. Wilson.
Stanstead, J. Thompson.
St. Regis, G. R. Audy.
*St. Johns,** W. McCrae.
*Stamford,** G. McMicken.
*Toronto,** W. F. Meudell.
Wallaceburgh, John Bell.
Wellington, J. R. Yeilding.
Whitby, W. Warren.

TARIFF OF CUSTOMS.

	Specific.	Ad Val.
Almonds, Currants, Figs, Nuts, Raisins, Prunes and other Dried Fruits	1d p lb.	
All Unenumerated Spices	3d p lb.	
Allspice	1d p lb.	
Acids, Strong Fluid, Including Muriatic, Nitric, Oxalic, and Sulphuric		2½
Alum		2½
Alabaster Busts, Casts of	Free	
Anchors	Free	
Animals, of all kinds.	Free	
Anatomical Preparations	Free	
Antiquities. Collections of	Free	
Apparel, Wearing, in use of parties coming to settle in the Province	Free	
Apparel, Wearing of British Subjects dying abroad	Free	
Apparatus, Philosophical	Free	
Army and Navy Arms, Amunition and Clothing for	Free	
Ashes, Pot, Pearl and Soda	Free	
Agricultural Utensils (see Farming Utensils)		
Artificial Slate and Metallic Paint, being the produce and manufacture of Nova Scotia, when imported direct from Great Britain or British North American Colonies only	Free	
Artificial Flowers		12½
All Goods, Wares and Merchandises, not otherwise charged with Duty, and not declared to be exempt from Duty		12½
All Packages in which the Goods are not usually exposed for sale, or which do not necessarily or generally accompany the Goods when sold	Free	

	Specific.	Ad Val.
Axles, Rough		2½
Axles and Wheels, for Railway purposes only		2½
Ammunition, Arms, Utensils of War, except from Great Britain and British Possessions	Prohibited.	
Brandy, the gallon	3s 0d	
Bar Iron		2½
Bar, Railroad		2½
Blue, Ultra Marine and Paste		2½
Bleaching Powder		2½
Boiler Plates		2½
Borax		2½
Brimstone or Roll Sulphur		2½
Brick, Fire		2½
Brass, Pig or Sheet		2½
Brass and Copper Tubes, when imported for Locomotives only		2½
Bark	Free	
Barley and Barley Meal	Free	
Berries, used in dyeing	Free	
Busts and Casts of Alabaster, Bronze, Plaster of Paris and Marble	Free	
Botany, Specimens of	Free	
Beer and Bigg	Free	
Books of immoral or indecent character	Prohibited.	
Books, printed (except copyright)	Free	
Books, Copyright		12½
Bran and Shorts	Free	
Beans	Free	
Bristles	Free	
Broom Corn	Free	
Bronze, Busts and Casts of	Free	
Burr Stone, unwrought	Free	
Burr Stone, hewn, wrought or unwrought, the produce of and from United States only	Free	
Burr Stone, wrought, from other Countries		12½
Bunting	Free	
Bulbs and Roots	Free	
Bullion and Coins	Free	
Bastard Sugar (see sugar)		
Breadstuffs of all kinds	Free	
Biscuit and Bread, from Great Britain and British North American Colonies only	Free	
Biscuit and Bread from other countries		12½
Book-Binders' tools and presses, and Implements of all kinds	Free	
Butter	Free	
Black and Bright Varnish only	Free	
Base and Counterfeit Coin	Prohibited.	
Blasting Powder		12½
Boots, fishermen		2½
Buckwheat and Buckwheat Meal	Free	
Bridge and Telegraph Wire		2½
Burning Fluid, the gallon	4s 0d	
Canada Plates		2½
Cakes, Oil		2½
Casts of Bronze, Alabaster and Plaster of Paris	Free	
Cabinets of Coins	Free	
Coffee, green, per lb.	½d	
Coffee, other than green, per lb.	2d	
Cigars per lb.	2s	
Cordials, Liqueurs, and Spirits sweetened or mixed with any other articles, per gallon	4s	
Cassia, Cinnamon, Cloves and Ginger, per lb.	3d	
Chains, Iron of all sorts (except Chain Cables)		2½
Charcoal, made or refined		2½
Cochineal		2½
Coperas		2½
Connection Rods in pieces, for Locomotives only		2½
Cotton Warp and Wick		2½
Cranks, wrought Iron, 6 cwt, and upwards		2½
Cotton Yarn		2½
Coin and Bullion	Free	
Coins, Base and Counterfeit	Prohibited.	
Collections of Antiquities	Free	
Clothing for Army, Navy and Indian	Free	
Corn, for making Brooms	Free	
Corn, Indian and Meal	Free	
Chain Cables	Free	
Carriages of Travellers	Free	
Caoutchouc	Free	
Cement Marine	Free	
Clay, Fire and Pipe	Free	
Coal and Coke	Free	
Cordage, of all kinds	Free	
Copper, in bar, rod or sheet	Free	
Cotton and Flax, waste	Free	
Cotton Wool	Free	
Cars (see Locomotives).		
Cheese	Free	
Chocolate and Cocoa Paste, the produce of, and when imported direct from Great Britain and British North American Colonies only	Free	
Chocolate, &c., from other Countries		12½
Candy (see Sugar).		
Casks, Ships Water	Free	
Carpenter's Tools, Wood for manufacture of	Free	
Cocoanut Oil	Free	
Copyrights, Works, Foreign Re-Prints of British		12½
Commissariat Stores	Free	
Copper Tubes (see Brass).		
Crushed Sugar (see Sugar.)		
Crates, containing Glassware and Earthenware	Free	
Confectionary, of all sorts		12½
Currants, per lb.	1d	
Cotton Manufactures of all kinds		12½
Coney Wool, and Wool, except from United States and Colonies		2½
Coney Wool, and Wool the produce of United States and British North American Colonies only	Free	
Draining Tyles		2½
Donations of Clothing, for Gratuitous Distribution by Charitable Societies	Free	
Drawings, Paintings and Lithographs	Free	
Drugs and Woods, used solely for Dyeing	Free	
Dye-Stuffs of all kinds, the produce of United States only	Free	
Drawings, of immoral or indecent character,	Prohibited.	
Earths and Ochres, the produce of, and from British North American Colonies only	Free	
Earths and Ochres, from all other countries,		12½
Engravings and Etchings	Free	
Eggs, the produce of, and from the United States only	Free	
Eggs, from other countries		12½
Felts		2½
Fishermen's Boots		2½
Farming utensils and implements of husbandry, when imported by Incorporated Agricultural Societies for encouragement of agriculture	Free	
Fire Bricks		2½
Fishing Nets and Seines		2½
Fishing Hooks		2½
Frames and Pedestals, rough from the forge, when imported for locomotives only		2½
Fire Clay	Free	
Flax and Cotton Waste	Free	
Felt Sheeting	Free	
Flax, Hemp and Tow, undressed	Free	
Flour	Free	
Fruit, green	Free	
Fruit, other than the produce of, and from the United States and British North American Colonies only	Free	
Fruits preserved in sugar candy or molasses,		12½
Fruit, dried, from other countries, (see almonds.)		
Fish Oil, Fish, fresh or salted, dried or pickled, the produce of, and from Great Britain, United States and British North American Colonies only	Free	
Fish, &c., from other countries		12½
Furs or Skins, the produce of fish and creatures living in the sea, dressed or undressed, the produce of, and when imported directly from Great Britain and British North American Colonies only	Free	
Fur Skins, Pelts and Tails, undressed, the produce of, and from United States, Great Britain and British North American Colonies only	Free	
Fur Skins, dressed or undressed, from other countries		12½

	Specific.	Ad Val.
Firewood from Great Britain, United States, and British North American Colonies only	Free	
Firewood from all other countries		12½
Fish, products of, and of all creatures living in the water, the produce of, and from United States only	Free	
Fish, &c. fish from other countries		12½
Figs, the lb.	1d.	
Green Coffee, the lb.	½d.	
Geneva or Gin, or other Spirits, or Strong Water, not being whisky, rum, or brandy, the gallon	2s. 6d.	
Galvanized Iron		2½
Grains, of all kinds	Free	
Ginger, Cassia, Cinnamon, Cloves, the lb.	3d.	
Grindstone and Stones, of all kinds, the produce of, and from United States and British North American Colonies only	Free	
Grindstones, &c., from other countries		12½
Green Fruits	Free	
Gems and Medals	Free	
Grease and Scraps	Free	
Gypsum, ground or unground, the produce of, and from Great Britain, United States, and B. N. American Colonies only	Free	
Gypsum, &c., from other countries		12½
Goods, unenumerated		12½
Gunpowder, except from Great Britain, or British possessions only	Prohibited.	
Hams	Free	
Hooks, Fishing		2½
Hoop, Iron		2½
Hoop or Tyre, for driving wheels, bent or welded, for locomotives only		2½
Hemp, Flax and Tow, undressed	Free	
Hemp, Yarn, Russia	Free	
Hides	Free	
Household effects in use, of persons coming to settle in the Province, or of British subjects dying abroad	Free	
Hay and Hops	Free	
Horns, the produce of, and from Great Britain, United States, and British North American Colonies only	Free	
Horns, from other countries		12½
Hardware manufactures		12½
Indigo	Free	
Instruments, philosophical	Free	
Implements, and Tools of trade, of handy-craftmen	Free	
Iron, Pig	Free	
Iron Chains of all sorts, except chain cables		2½
Iron Bar, sheet or rod		2½
Iron Hoop		2½
Iron, Galvanized		2½
Iron Moulds and Shares, (plough)		2½
Iron, Roll Plate, from ¼ inch to 1½ inch in thickness		2½
Iron, Old and Scraps		2½
Iron, Round and Square, from 4 inches and upwards, suitable for shafts and other parts of Machinery		2½
Ink, Printing	Free	
Instruments, Musical, specially imported for use of Military Bands	Free	
Immoral and Indecent Books or Drawings,	Prohibited.	
Implements of Husbandry, imported by Incorporated Agricultural Societies	Free	
Indian Corn and Meal	Free	
Junk and Oakum	Free	
Joiners' and Carpenters' Tools, Wood for	Free	
Lithographs and Drawings	Free	
Lead, Pig and Sheet	Free	
Lines, Twines and Cordage of all kinds	Free	
Lard	Free	
Logs, Saw	Free	
Lime Water	Free	
Lime, the produce of, and from British American Colonies only	Free	
Lime, from other countries		12½
Lumber, (see Timber.)		
Locomotives, Passengers, Baggage & Freight Cars, running upon any lines of Railroad, crossing the frontier	Free	
Locomotives &c., &c., others		12½
Liqueurs, Cordials and Spirits sweetened or mixed with any other articles, per gall.	4s.	
Linen Manufacture		12½
Mace and Nutmegs, the lb.	7½d.	
Maccaroni and Vermicelli, the lb.	1d.	
Marble, in blocks and slabs, unpolished	Free	
Marine Cement	Free	
Maps and Engravings	Free	
Manures of all kinds	Free	
Marble Busts	Free	
Meals of all kinds	Free	
Medals and Gems	Free	
Metal, Ores of all kinds of	Free	
Metal, yellow, bar, sheet or rod	Free	
Metal, type in blocks or pigs	Free	
Metallic Paint, (see artificial, &c.)		
Models of Machinery, and other inventions and improvements in the arts	Free	
Meat of all kinds	Free	
Machinery for the Manufacture of doors, window-sashes, blinds, and other wood-works for building purposes		2½
Moulds and Shares, for Ploughs		2½
Mineralogy, specimens of	Free	
Musical Instruments (see Instruments.)		
Muriatic Acid		2½
Molasses the gallon	2d.	
Merchandize, unenumerated		12½
Navy and Army Arms, Clothing, &c. for	Free	
Natural History, specimens of	Free	
Nets, Old	Free	
Nets and Seines, Fishing		2½
Nitric Acid		2½
Nitre and Salt Petre		2½
Nuts, used in Dyeing	Free	
Nutmegs and Mace, the lb.	7½d.	
Nuts, Prunes, Raisins, and other Dried Fruits, the lb.	1d.	
Oil Paintings	Free	
Oil, Cocoa-nut, Palm and Pine	Free	
Oil, Fish, the produce of, and from Great Britain, United States, and British North American Colonies only	Free	
Oil, Fish, from other countries		12½
Oakum and Junk	Free	
Ores, of all kinds of Metals	Free	
Old Nets and Ropes	Free	
Oats and Oatmeal	Free	
Ochres, the produce of, and from British North American Colonies only	Free	
Ochres, &c., from other countries		12½
Oxalic Acid		2½
Oil-Cakes		2½
Ore, Dressing Machines		2½
Old Iron		2½
Ordnance Stores	Free	
Packages.*		
Paint, &c., (see Artificial Slate.)		
Paint, other		12½
Paper, Printing		2½
Paintings	Free	
Pastes, (see Blue.)		
Philosophical Instruments and Apparatus,	Free	
Pot Ashes	Free	

* It is ordered that the following packages be *chargeable with duty*, viz: all Packages containing Spirits, Wines, Cordials or Liquids of any kind in Wood, Bottles, Flasks; and all packages of Glassware or Earthenware, Sugar, Molasses, Syrups, Treacle, Coffee, Rice, Tobacco, Flour, Provisions, and no deduction to be allowed for the weight or value of the paper or string covering Sugar. &c. All Packages containing Soap, Candles, Pipes, Nails, Chains, Paints, Spices, Nuts, Vermicelli, Maccaroni, Glass, Tin, Canada Plates, Tins, Trunks and Jars containing merchandise, and all other Packages in which the goods are usually exposed for sale, or which necessarily or generally accompany the goods, when sold. And that the following Packages are to be *exempt from the payment of duty*, viz: Bales, Trusses, Cases covering Casks of Wines or Brandy in Wood, Cases and Casks containing Dry Goods, Hardware or Cutlery, Crates and Casks containing Glassware or Earthenware. Cases containing Bottled Wines or Bottled Spirits, and all other Packages in which the goods are *not* usually exposed for sale, or which do *not* necessarily or generally accompany the goods when sold.

	Specific.	Ad Val.
Pearl Ashes	Free	
Pig Iron	Free	
Pipe Clay	Free	
Pig Lead	Free	
Printer's Ink, Presses, Types, and Implements, of all kinds	Free	
Plaster of Paris, Manures	Free	
Plaster of Paris, Busts and Casts of	Free	
Peas	Free	
Pitch	Free	
Pelts, (see Furs.)		
Plants	Free	
Powder, Blasting		2½
Plate, Boiler		2½
Plate, Canada		2½
Plough Shares and Moulds		2½
Plate, Iron		2½
Phosphorus		2½
Prussiate of Potash		2½
Prepared Rigging		2½
Preparations, Anatomical	Free	
Pedestals (see Frames).		
Preserves		12½
Printed Books, (except Copyrights)	Free	
Printing Paper		2½
Prunes, Raisins, Figs, and Nuts, the pound	1d	
Pimento, Allspice, and Pepper, the pound	1d	
Pine and Palm Oil	Free	
Potash, Prussiate of		2½
Quince (see Fruits.)		
Rags	Free	
Railroad Bars		2½
Rigging of Ships, prepared		2½
Rods Connecting (see Connection Rods).		
Red Iron		2½
Roll Sulphur or Brimstone		2½
Roots and Bulbs	Free	
Ropes of all kinds	Free	
Resin and Rosin	Free	
Russia Hemp Yarn	Free	
Rye and Rye Meal	Free	
Rock Salt	Free	
Rice, the produce of, and from United States only	Free	
Rice, from all other countries		12½
Rum, the gallon	1s 8d	
Raisins, Nuts, Prunes, &c., the lb.	1d	
Raw Coffee, the pound	½d	
Refined or made Charcoal		2½
Refined Sugar (see sugar.)		
Saltpetre and Nitre		2½
Sal Amoniac		2½
Salts		2½
Salt and Rock Salt	Free	
Sawlogs	Free	
Sailcloth	Free	
Seeds, of all kinds	Free	
Soda-ash	Free	
Specimens of Botany	Free	
Specimens of Natural History	Free	
Specimens of Mineralogy	Free	
Shorts or Bran	Free	
Stone in its crude or unwrought state, the produce of and from United States and British North American Colonies only	Free	
Stone, &c, from other countries		12½
Ships Water Casks, in use	Free	
Scraps and Grease	Free	
Skins (see furs).		
Shrubs and Trees	Free	
Slate, the Produce of and from United States only	Free	
Slate, from all other countries		2½
Slate, Artificial (see artificial slate).		
Sheet Lead	Free	
Spirit of Turpentine (see Turpentine.)		
Straw, from British North American Colonies only	Free	
Straw, from other places		12½
Settlers Effects, in use	Free	
Sulphuric Acid	Free	
Straps, for Walking Beams		2½
Seines and Nets		2½
Scrap Iron		2½
Sheet Iron		2½
Shellac		2½
Spike-rods		2½

	Specific.	Ad Val.
Steel		2½
Spelter		2½
Sugar, refined in loafs, crushed or candy, or other Sugar rendered equal thereto by any process, the cwt	12s	
Sugar, white and brown, clayed or yellow bastard sugar rendered by any process equal in quality thereto, the cwt	8s 6d	
Sugar—raw, and other kinds not being equal to white or brown, clayed or yellow, bastard sugar, the cwt	6s 6d	
Snuff, the cwt	4d	
Sweet-Meats or fruits preserved in sugar, candy, or Molasses, & other confectionary		12½
Spirits (see Gin and Cordials).		
Silk, Manufacture		12½
Spices, unenumerated	3d	
Tar	Free	
Tallow	Free	
Teazles	Free	
Tow, undressed	Free	
Tools of Trade or Handycraftsmen	Free	
Tools, Bookbinders, and implements of all kinds	Free	
Tools, wood for	Free	
Type Metals in Blocks or Pigs	Free	
Types, Printing	Free	
Tails (see furs).		
Trees and Shrubs	Free	
Tree-nails	Free	
Twines and Lines	Free	
Timber and Lumber of all kinds, the produce of, and from Great Britain, United States, and B. N. American Colonies only	Free	
Timber and &c., from other countries		12½
Turpentine, the manufacture of, and from United States only	Free	
Turpentine from other countries		12½
Tobacco, unmanufactured, the produce of, and from United States only	Free	
Tobacco, manufactured or unmanufactured, other than cigars and snuff, from all countries, except unmanufactured from United States, the lb	2d.	
Tobacco, Cigars, the lb	2s.	
Tobacco, Snuff, the lb	4d.	
Tea, the lb	2d.	
Tyre or hoop for driving wheels, bent or welded, rough from the forge, for locomotives only		2½
Telegraph Insulators, Relay, Magnets, Registers and Batteries		2½
Telegraph and Bridge Wire, when *bona fide* imported to be used as such in Canada		2½
Tin		2½
Tiles, draining		2½
Tubes of all kinds (except brass and copper.)		12½
Ultra Marine and Paste Blue		2½
Undressed Skins, (see Furs.)		
Undried Fruits and Dried Fruits, the produce of, and from British North American Colonies and United States only	Free	
Undried Fruits & Dried Fruits, (see fruits.)		
Utensils, (see farming utensils.)		
Vinegar, the gallon	3d.	
Vitriol		2½
Vegetables	Free	
Vegetables used in dyeing	Free	
Veneers	Free	
Varnish, Black and Bright only	Free	
Varnish, other		12½
Vermicelli and Maccoroni, the lb	1d.	
Wines and Merchandise not enumerated		12½
Warp Cotton		2½
Water Lime	Free	
Wine of all kinds, in wood or other vessels, not being in bottles, not exceeding in value £15 on the Pipe of 126 gallons, the gallon	1s. 0d.	
Wine exceeding £15 on the Pipe of 126 gallons, the gallon	1s. 6d.	
Wines of all kinds, in bottles, per doz. qts.	7s. 6d.	
Wines, per dozen pints	3s. 9d.	
Wines for Officers' Mess	Free	
Whisky, the gallon	5d.	
Wrought Iron, wheels and axles for railway purposes only		2½

	Specific.	Ad Val.
Wick, Cotton		2½
Wrought Iron Cranks, 6 cwt. and upwards,		2½
Wire, Telegraph and Bridge		2½
Wool, Cotton	Free	
Wool, the produce of, and from the United States and British North American Colonies only	Free	
Wool from all other countries		2½
Woollen Manufacture		12½
Wearing Apparel in use of persons coming to settle in the Province, or of British subjects, dying abroad	Free	
Wood for Carpenters' and Joiners' Tools	Free	
Woods and Drugs used solely in dyeing	Free	
Wood, fire, (see firewood.)		
Wheat and wheat-meal, not bolted	Free	
Yellow Metals, in bar, sheet or rod	Free	
Yarn, Cotton		2½
Yarn, Russia Hemp	Free	
Zinc		2½

BANKS IN CANADA WITH THEIR AGENCIES, &c.

PLACES.	NAMES OF BANKS.	OFFICERS.
Barrie	Upper Canada	E. Lally, Agent.
"	Commercial	S. M. Sanford, Agent.
Belleville	Upper Canada	E. Holden, Agent.
"	Commercial	R. Findlay, Agent.
"	Montreal	Q. McNider, Agent.
Berlin	Upper Canada	George Davidson, Agent.
Bowmanville	Upper Canada	George Mearns, Agent.
"	Montreal	John Simpson, Agent.
"	City Bank	Robert Armour, Agent.
Bradford	City Bank	A. McMaster, Agent.
Brantford	B. N. America	C. F. Smithers, Manager.
"	Montreal	A. Greer, Agent.
Brockville	Upper Canada	R. F. Church, Agent.
"	Commercial	Andrew Thompson, Agent.
"	Montreal	F. M. Holmes, Agent.
Bytown	Upper Canada	R. S. Cassells, Agent.
"	B. N. America	A. C. Kelty, Agent.
"	Montreal	P. P. Harris, Agent.
"	Quebec	H. V. Noel, Agent.
Chatham	Upper Canada	George Thomas, Cashier.
"	Commercial	Thomas McCrae, Agent.
"	Gore	A. Charleriss, Agent.
Chippawa	Upper Canada	James Macklem, Agent.
Cobourg	Montreal	C. H. Morgan, Agent.
Cornwall	Upper Canada	J. F. Pringle, Agent.
"	Montreal	W. Mattice, Agent.
Dundas	B. N. America	William Lash, Agent.
Elgin	Zimmerman's.	G. McMicking, Cashier.
Galt	Gore	John Davidson, Agent.
"	Commercial	Adam Ainslie, Agent.
Goderich	Upper Canada	John McDonald, Agent.
"	Montreal	T. M. Jones, Agent.
Guelph	Gore	T. Sandilands, Agent.
"	Montreal	J. McLean, Agent.
Hamilton	Gore	A. Steven, Cashier.
"	Upper Canada	Alfred Stow, Cashier.
"	B. N. America	R. C. Fergusson, Manager.
"	Montreal	Thomas Lee, Agent.
"	Commercial	H. McKlustry, Cashier.
Kingston	Commercial	C. S. Ross, Cashier.
"	Upper Canada	W. G. Hind, Cashier.
"	B. N. America	S. Taylor, Manager.
"	Montreal	A. Drummond, Agent.
Lindsay	Upper Canada	J. McKibbie, Agent.
London	Upper Canada	James Hamilton. Cashier.
"	B. N. America	George Taylor, Manager.
"	Commercial	J. G. Harper, Agent.
"	Montreal	H. C. Barwick, Agent.
"	Gore	W. W. Street, Agent.
Montreal	Montreal	D. Davidson, Cashier.
"	City Bank	F. McCulloch, Cashier.
"	Du Peuple	B. H. Lemoine, Cashier.
"	Molson's	W. Sache, Cashier.
"	Upper Canada	Joseph Wenham, Manager.
"	B. N. America	R. Cassels, Manager.
"	Commercial	A. H. Campbell, Cashier.
Niagara	Upper Canada	T. McCormick, Agent.
Nicolet	Quebec	L. M. Cresse, Agent.
Ottawa	Commercial	James Laing, Agent.
Paris	Gore	James Nimmo, Agent.
Perth	Commercial	A. Leslie, Agent.
"	Montreal	J. McIntyre, Agent.
Peterborough	Commercial	Wm. Cluxton, Agent.
"	Montreal	R. Nicholls, Agent.
Picton	Montreal	C. Mortimer, Agent.
Port Hope	Upper Canada	E. P. Smith, Agent.
"	Commercial	W. F. Harper, Agent.
"	Montreal	R. N. Waddell, Agent.
Port Stanley	Montreal	E. E. Warren, Agent.
Prescott	Commercial	John Patton, Agent.
"	Montreal	W. D. Dickenson, Agent.
Quebec	Quebec	C. Gethings, Cashier.
"	Upper Canada	J. F. Bradshaw, Manager.
Quebec	B. N. America	F. W. Wood, Manager.
"	Montreal	W. Gunn, Manager.
"	City Bank	Daniel Mellie, Agent.
Sarnia	Upper Canada	Alexander Vidal, Agent.
"	Commercial	G. W. Thomas, Agent.
Sault Ste Marie	B. N. America	J. Ballenden, Agent.
Sherbrooke	City Bank	W. Ritchie, Agent.
Simcoe	Gore	D. Campbell, Agent.
Southampton	Upper Canada	Alexander McNabb, Agent.
St. Catherines	Niagara Dist.	John Smart, Cashier.
"	Upper Canada	T. L. Helliwell, Cashier.
"	Commercial	George Rykert, Agent.
St. Thomas	Montreal	E. M. Yarwood, Agent.
Stratford	Upper Canada	J. C. W. Daly, Agent.
Three Rivers	Upper Canada	— DeMoulin, Agent.
"	B. N. America	W. Scougall, Agent.
"	Montreal	J. L. McNair, Agent.
"	City Bank	James Dickson, Agent.
"	Quebec	John McDougall, Agent.
Toronto	Upper Canada	T. G. Ridout, Cashier.
"	B. N. America	W. G. Cassells, Manager.
"	Commercial	C. J. Campbell, Cashier.
"	Montreal	J. Stevenson, Cashier.
"	City Bank	Thomas Woodside, Manager.
"	Quebec	W. W. Ransom, Manager.
"	Du Peuple	E. F. Whittemore, Agent.
"	Molson's.	John Glass, Agent.
Trenton	Montreal	J. Cumming, Agent.
Whitby	Montreal	Thomas Dow, Agent.
Woodstock	Gore	James Ingersol, Agent.
"	Montreal	W. P. Street, Agent.
Windsor	Upper Canada	Thomas E. Trow, Agent.

FOREIGN AGENTS.

London (Eng.)	B. N. America	Head Office.
" "	Upper Canada	Glyn, Mills & Co.
" "	Commercial	London Joint Stock Bank.
" "	Montreal	Glyn, Mills & Co.
" "	Quebec	Glyn, Mills & Co.
" "	City Bank	Glyn, Mills & Co.
" "	Gore	Glyn, Mills & Co.
Liverpool (Eng)	Montreal	Bank of Liverpool.
Edinburgh (Sc)	Upper Canada	British Linen Company.
" "	Montreal	British Linen Company.
" "	Commercial	Commercial Bank.
" "	Gore	Union Bank.
Glasgow (Scot.)	Montreal	British Linen Company.
" "	Commercial	Western Bank of Scotland, and Clydsdale Bank,
Dublin (Ire.)	Commercial	Boyle, Low, Finn & Co.
" "	City Bank	National Bank of Ireland.
New York	Upper Canada	J. G King and Sons.
"	B. N. America	Richard Bell, H. E. Ransom, & F. H. Grain, Agents.
"	Commercial	Merchant's Bank.
"	Montreal	Bank of Commerce.
"	Quebec	Maitland, Phelps, & Co.
"	City Bank	Bank of the Republic.
"	Gore	Ward & Co., and Merch. B'k.
Boston	Montreal	S. Henshaw & Sons.
"	Commercial	Merchant's Bank.
Albany	Upper Canada	New York State Bank.
"	Commercial	New York State Bank.
"	Gore	New York State Bank.
Oswego	Upper Canada	Luther Wright's Bank.
Rochester	Upper Canada	Rochester City Bank.
St. John (N.B.)	B. N. America	Bank of B. N. America.
" "	Quebec	Commercial Bank, N.B.
Halifax (N.S.)	B. N. America	Bank of B. N. America.
" "	Montreal	Bank of Nova Scotia.
St. John (N.F.)	B. N. America	Bank of B. N. America.
" "	Montreal	Union Bank.
Fredericton (N.B.)	Quebec	Central Bank.

RAILWAYS.*

GRAND TRUNK RAILWAY.—*Directors in London*, Thomas Baring, Esq., M.P., George C. Glynn, Esq., M.P., H. Wollaston Blake, Esq., Robert McCalmont, Esq., Kirkman D. Hodgson, Esq., William Chapman, Esq. *Directors in Canada*, Hon. John Ross, President; Benjamin Holmes, Esq., Vice-President; Hon. F. Hincks, Hon. F. Lemieux, Hon. W. Cayley, Sir A. McNab, Hon. Peter McGill, Hon. L. T. Drummond, George Crawford, Esq., M.P.P., W. H. Ponton, Esq., E. F. Whittemore, Esq., Henry LeMesurier; Secretary, Sir C. P. Roney; Assistant Secretary. J. M. Grant; Engineer, A. M. Ross; Assistant Engineer, Samuel Keefer; General Manager, S. P. Bidder; Accountant, W. W. A. Davies; Secretary's and General Manager's Offices, 22, Little St. James Street; Engineer's Office, Gosford Street, Montreal.

ONTARIO, SIMCOE AND HURON RAILROAD.

Monthly Comparative Statement of Earnings of the above Company, from 1st April to 13th October, Years 1854 and 1855.

Month.	From 1st April to 13th October, 1855, 94 miles open.					From 1st April to 13th October, 1854, 63 miles open.					Increase in 1855.	Earnings per mile per month in 1855.	Earnings per mile per month in 1854.	Increase in 1855.
	No. of Passengers.	No. of Tons Freight.	Earnings from Passengers.	Earnings from Freight &c.	Earnings from Total.	No. of Passengers.	No. of Tons Freight.	Earnings from Passengers.	Earnings from Freight &c.	Earnings from Total.				
			$	$	$			$	$	$	$	$	$	$
April.....	12535	9092	8639.56	15705.33	24344.89	8960	2254	5432.31	3298.93	8731.24	15613.65	258.99	138.58	120.41
May.....	14075	7908	11573.00	15197.31	26770.31	10094	3370	6634.95	4409.70	11044.65	15725.66	284.78	175.31	109.47
June.....	19987	8879	19540.05	18823.16	38363.51	13415	5290	7151.31	6799.40	13950.71	24412.80	408.03	219.20	188.83
July	17446	5770	17909.00	9799.53	27708.53	10040	2739	7165.53	4837.35	12002.88	15705.65	294.35	190.66	103.75
Aug.....	17830	6450	18206.51	9888.65	28095.16	9498	2071	6881.14	4059.36	10940.50	17154.66	298.91	173.65	125.26
Sept.....	21175	9729	25965.11	18768.17	44733.28	14012	2643	9443.01	6524.26	15967.27	28766.01	475.88	255.65	220.23
1st to 13th Oct., 2 We.	9920	4231	11577.65	9340.75	20918.40	6403	1498	4349.05	3386.28	7735.33	13183.07	222.54	121.58	100.96

COBOURG AND PETERBORO' RAILWAY—The Cobourg and Peterborough Railway was built by the inhabitants and municipality of Cobourg, under a charter obtained in November 1852; it is completed to Peterboro', a distance of twenty-eight miles, with privilege of extension up the Otanabee River to the various extensive mills now in active operation, and on which are a succession of mill privileges of vast power; also, by amended charter, to extend a branch to the Marmora Iron Works, which is now under survey. An important feature in this Railroad is the connection of the north and south shores of Rice Lake, three miles apart, by a pile and truss bridge, thus overcoming a barrier to the trade of the back country, with Cobourg its nearest port. This road did not get into working operation before 1st of June, 1855, since which there has been transported over it 18,705 tons of freight, including 9,553,161 feet of lumber and 7,254 passengers, the gross receipts for which amount to $27,154 81-100ths, or, $60.34 per mile per week.

Peterboro', the present terminus of the railway, is a town of rising importance; and in addition to its usual exports of grain and flour, must supply an immense quantity of lumber and timber from the unbroken forests surrounding and connected with it by water communication through lakes and rivers to the unsurveyed forests reaching to the sources of the Ottawa River.

Cobourg, through this connection, must rapidly increase in population and wealth; the G. Trunk Railway Co. having purchased some seventy acres in the heart of the town, purpose establishing a central depot of more than ordinary extent. The harbour is entirely artificial, of beautiful construction and position, accessible throughout winter. This work, like the railway, is the property of the town, and is a source of rapidly increasing wealth. By the assessment in January, the property of the town was valued at £456,370 10 0

The estimated value of the harbour, as represented by last year's nett revenue of £3,500	50,000 0 0
Corporation real estate	5,000 0 0
Invested in the Railway	125,000 0 0
Total	£636,370 10 0

The liabilities of the Town are—

To the Municipal Loan Fund	£125,000 0 0
To Ordinary Debentures	28,000 0 0
Total	£153,000 0 0

The above works (The Cobourg and Peterboro' Railway, and Cobourg Harbour,) of so much public importance, are the fruits of a well-directed local enterprise, entitling the population of the town of Cobourg, of some five thousand people, to much credit.

JUDICIARY—UPPER CANADA.

Court of Appeal.—Judges, the Judges of the Superior Courts of Law and Equity. Clerk, the Registrar of the Court of Chancery, Toronto.

Court of Queen's Bench.—Chief Justice, Hon. Sir J. B. Robinson, Bart. Puisne Judges, Hon. W. H. Draper and R. E. Burns. Clerk of the Crown and Pleas, C. C. Small. Reporter, J. Lukin Robinson, Toronto.

Court of Chancery.—Chancellor, Hon. W. H. Blake. Vice-Chancellors, Hon. J. C. P. Esten and J. G Spragge. Master, A. N. Buell. Registrar and Reporter, A. Grant. Long vacation from 1st July to 21st August.

Court of Common Pleas.—Chief Justice, Hon. J. B. Macaulay. Puisne Judges, Hons. A. McLean and W. B. Richards. Clerk of the Crown and Pleas, L. Heyden. Reporter, E. C. Jones, Toronto. Clerk in Chambers, W. B. Heward, Toronto

Clerks of Assize.—W. A. Campbell, Toronto; the Deputy Clerks of the Crown are ex officio Clerks of Assize and Marshals in their respective counties.

Deputy Clerks of the Crown.—The Clerks of the County Courts will be ex officio Deputy Clerks of the Crown and Pleas of their several counties as the present incumbents vacate by death or otherwise.

Law Terms.—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins 1st Monday in June, and ends Saturday of the ensuing week; Trinity begins last Monday in August, and ends on the Saturday of the ensuing week; Michaelmas begins third Monday in November and ends Saturday of the ensuing week. Long vacation commences 1st July, and ends 21st August.

Circuits.—The Circuits are held twice a year in each County, between Hilary and Easter Terms, and between Trinity and Michaelmas Terms, except in the County of York, where there are three in each year, commencing on the first Thursday in January, the first Monday in May, and the second Monday in October, in each year. There are six Circuits, as follows, viz.:—The *Eastern:* Perth,

* The above, relating to some of our Canadian Railways, has been supplied by their respective Managers. It was expected that all our lines of Railway would have been noticed, but this was not deemed desirable by some of the Managers, who withheld the necessary information.

Cornwall, Bytown, L'Orignal, Brockville. *Home:* Niagara, Whitby, Hamilton, Cayuga, Barrie, Sydenham. *Western:* St. Thomas, Sandwich, Sarnia, Chatham, London, Goderich. *Midland:* Peterborough, Cobourg, Belleville, Picton, Kingston. *Oxford:* Simcoe, Brantford, Guelph, Berlin, Stratford, Woodstock. *Toronto:* Toronto.

Heir and Devisee Court.—Commissioners, the Judges of the Superior Courts, and such other persons as may be appointed by commission under the Great Seal. Their duties are to determine claims to lands in Upper Canada, for which no patent has issued from the Crown in favour of the proper claimants, whether as heirs, devisees or assignees. Sittings at Toronto, first Monday in January and July in each year. Clerk of Commissioners, W. B. Heward.

Court of Probate.—Official Principal, S. Brough, Toronto; Registrar, C. Fitzgibbon, Toronto.

Surrogate Court.—Judge, S. B. Harrison; Registrar, Wm. J. FitzGerald, Toronto.

County Courts.—Presided over by resident Judge in each county; these Courts possess equity powers.

Quarter Sessions.—Chairman, the County Judge in each county, who, with one or more Justices of the Peace, holds a Court of Quarter Sessions in his county four times a year for trials by jury in cases of larceny, misdemeanor and other offences. Sittings, first Tuesday in January, April, and July, and the third Tuesday in November, with power of adjournment.

Recorders' Courts.—In the Cities of Toronto, Hamilton, and Kingston, the Recorders' Court takes the place of the County Sessions, the Justices for Counties having no jurisdiction in the Cities—the care of which is confided to the Recorder, Mayor, Aldermen and Police Magistrate of each. The City Sessions are held on the first Monday in January, April, July and November.

Division Courts.—For the summary disposal of cases by the County Judges. Courts are held once in two months in each division, or oftener, at the discretion of the Judge. The divisions are established by the Courts of Quarter Sessions. The jurisdiction of these Courts has been enlarged by the Act of last Session—(See page 43.)

Insolvent Debtor's Court.—The County Judge in each county presides.

JUDICIARY—LOWER CANADA.

Court of Queen's Bench—Chief Justice, Hon. Sir L. H. Lafontaine, Bart.; Puisne Judges, Hons. T. C. Aylwin, J. H. Duval, R. E. Caron. Appeal Side, Terms—Quebec, 7th to 18th January, and 1st to 12th July. Montreal, 1st to 12th March, and 1st to 12th October. Crown Side, Terms—Quebec, 20th January and 14th July. Montreal 14th March and 14th October. Three Rivers, 2nd February and 11th September. Sherbrooke, 12th February and 20th September. Kamouraska, 5th April and 5th November. Aylmer, 10th June and 10th Dec. Gaspe: The Circuit Judges exercise criminal jurisdiction in Term.

Superior Court—Chief Justice, Hon. F. Bowen; Puisne Judges, Hons. William C. Meredith, A. N. Morin, and J. T. Badgley, Quebec; Hons. C. D. Day, James Smith, C. Mondelet, and George Vanfellon, Montreal; Hon. D. Mondelet, Three Rivers; Hon. E. Short, Sherbrooke. Terms—Montreal, from 17th to 27th February, March, April, May, June, September, October, November and December. Quebec, from 1st to 5th February, March, April, May, September, October and December, and 20th to 25th June and November. Three Rivers, 12th to 25th February, 1st to 11th June, and 1st to 14th November. Sherbrooke, 20th to 27th January, 1st March, and October 8th to 15th of June. Kamouraska, 26th March to 24th April, and 26th October to 4th November. Aylmer, 1st to 10th February, and 1st to 10th July. Perce, 21st to 30th August. New Carlisle, 4th to 13th September. The sittings at Perce and New Carlisle, in the District of Gaspe, form only one Term. The Governor may authorize the holding of another Term annually, in this District.

Circuit Courts.—Judges—Wm. Power, Esq., Quebec; H. Guy, J. S. McCord, and J. C. Bruneau, Esqrs., Montreal; J. G. Thompson, and J. F. DeBlois, Esqrs., Gaspe; J. A. Taschereau, Esq., Kamouraska; and W. K. McCord, Esq., Aylmer.

Quarter Sessions.—Quebec, Montreal, Three Rivers—commence severally, 8th January, 4th April, 4th July, and 4th October. Sherbrooke—commence 8th January, 8th April, 8th July, and 8th October. Kamouraska, from 7th to 15th January, and 15th to 24th July. Aylmer, 5th April and 5th October. Gaspe—At Perce and at the Basin, and at New Carlisle and Carleton, the three days succeeding the sittings of the Circuit Court at these places respectively.

Vice Admiralty Court.—Judge, Hon. H. Black, Quebec; Registrar, Charles Drolet; Marshal, J. B. Parkin.

Commissioners' Courts held monthly in the country Parishes, for determining cases in a summary, way not exceeding £6 currency each in amount.

Clerk of Appeals—J. U. Beaudry, Quebec.

AN INDEX TO THE STATUTES,

Passed in the First Session of the Fifth Parliament of the Province of Canada (18 & 19 Vic.), alphabetically arranged according to the initial letter of the word most distinctive of the subject-matter treated of in each, and otherwise further classified, so as to facilitate the acquisition of any particular Act required.

Imperial Acts.

XCIX. Evidence—To amend the Law of.

CXVIII. Legislative Council—To empower Legislature of Canada to alter Constitution of.

CIV. Merchant Shipping.—To amend and consolidate Acts relating thereto.

CXX. Merchant Shipping—To repeal certain Acts relating to, and to continue certain Provisions in said Act.

III. Treaty—To carry into Effect, between her Majesty and the United States of America.

Public Acts.

GENERAL AND MISCELLANEOUS.

LXXVIII.—*Accounts, Public*—To secure the more effectual Auditing of.

LXXXV. *Acts*—To continue the following:—

Bankrupts—For Relief of—7 Vic. c. 10, 9 Vic. c. 30, 12 Vic. c. 18, 14 & 15 Vic. c. 20 in part only.

Bills of Exchange—To ascertain Damages on protested—3 Wm. IV. c. 14.

Butter—For Inspection of in Quebec and Montreal—11 Vic. c. 7.

Debtors—To attach Effects of in Cases under £10.—14 & 15 Vic. c. 18.

Debtors—To facilitate Proceedings against—9 Geo. IV. c. 28.

Debtors, Fraudulent—To prevent Evasion of Creditors.—9 Geo. IV. c. 27.

Debtors, Insolvent—To relieve—8 Vic. c. 48.

Fief Grosbois—To place common of, under Control of the Inhabitants—9 Geo. IV. c. 32.

Fisheries—To regulate in District of Gaspe.—4 & 5 Vic. c. 36.

Fisheries, Salmon—To preserve in Counties of Cornwallis and Northumberland—9 Geo. IV. c. 51.

Hastings, County—Registration of Titles in—9 Vic. c. 12, 10 & 11 Vic. c. 38, 12 Vic. c. 97.

Insane Persons—For Relief of in Home District—11 Geo. IV. c. 20.—and Extension of Act—3 W. IV. c. 45.

Justices of Peace—To regulate Fees of Persons employed by—6 Wm. IV. c. 19.

Mariners—To provide medical treatment for sick—6 Wm. IV. c. 35, as amended by 8 Vic. c. 12.

Militia—For regulation of—9 Vic. c. 28, 12 Vic. c. 88.

Provincial Penitentiary—For the better Management of—14 & 15 Vic. c. 2.

Public Business—Empowering Commissioners to enquire into Matters connected with, &c.—9 Vic. c. 38.

Real Property in L. C.—Relative to Registration of Titles to and Incumbrances upon—8 Vic. c. 27.

Real Property in L. C.—To enable Proprietors to acquire where illegally detained from them—14 & 15 Vic. c. 92, as amended by 16 Vic. c. 205.

Registration of Titles—For County of Hastings—9 Vic. c. 12, 10 & 11 Vic. c. 38, 12 Vic. c. 97.

Rivers and Rivulets, U. C.—To prevent Obstructions.

in—7 Vic. c. 36, as amended by 10 & 11 Vic. c. 20, 14 & 15 Vic. c. 123.

Road Laws—Amendment of—2 Vic. c 7. (See c. 100 sec. 5, of past Session.)

Secret Incumbrances—For Extinction of on Lands in L. C.—9 Geo. IV. c. 20.

Seigneurie of Laprairie—For Regulation of Common of—2 Geo. IV. c. 8.

Seigneurie of Labaie St. Antoine—For Regulation of Common of—2 Geo. IV. c. 10, 4 Geo. IV. c. 26.

Trinity [illegible] *Montreal*—To encourage [illegible]ers of, where li[illegible] City endangered—Vic. [illegible] c. 1.

Wolves—To encourage Destruction of, L. C.—1 Wm. IV. c 6.

Wolves—To encourage Destruction of U. C.—6 Wm. IV. c. 29.

XI. *Ashes, Pot and Pearl*—To regulate Inspection of.

XCV. *Ashes, Pot and Pearl.*—To amend Act—18 Vic. c. 11—regulating Inspection of.

X. *Bills and Promissory Notes*—To regulate Times of Payment.

LXXXIX. *Civil List*—To amend the.

II. *Clergy Reserves*—To make better Provision for Moneys arising from, by rendering them available for Municipal Purposes.

XCII. *Criminal Law*—To amend the.

XCIII. *Crown Lands Department*—To Connect Office of Supervisor of Cullers with.

V. *Customs*—To amend Acts—12 Vic. c. 1, and 16 Vic. c. 85—imposing Duties of.

LXVIII. *Customs*—To explain the Act—18 Vic. c. 5—amending Acts imposing Duties of.

LXXX. *Debentures, Municipal*—To facilitate the Negotiation of.

VIII. *Elections*—To provide for the Freedom of.

LXXXVII. *Electi[illegible] Fran[illegible]se*—To extend, and repeal former Acts—7 Vic. c. 65 a[illegible] Vic. c [illegible].

LXXXVI. *Legislative Assembly*—For better securing the independence of.

XCI. *Military Reserves and Ordnance Lands*—To transfer to the Province.

LXXVII. *Militia*—To regulate, and repealing Acts—9 Vic. c. 28, 13 & 14 Vic. c. 11, 4 & 5 Vic. c. 2, 12 Vic. c. 88, 12 Vic. c. 89—now in Force for that Purpose.

VI. *Naturalization Laws*—To amend the—12 Vic. c. 197.

LXXIX. *Newspapers*—To abolish Postage on, and for other Purposes connected with Post Office Department.

LXXXII.—*Patriotic Fund*—To legalize certain Grants from Municipalities to.

LXXXI. *Reciprocity Treaty*—To ratify certain Things done under Act—18 Vic. c. 1—to confirm, and for other Purposes.

LXXVI. *Representation*—To amend the Parliamentary Representation Act—16 Vic. c. 152.

IV. *Revenue*—For raising Loan on Credit of Consolidated.

LXXXVIII. *Statutes*—To alter Mode of drawing up the Provincial Statutes.

CI. *Substitutions*—To abolish the Publication of Documents containing, and to provide for their Registration in the Registry Office.

IV. *Supplies*—For defraying Expences of Civil Government for 1854, and raising Money on Credit of Consolidated Revenue.

I. *Treaty*—To give Effect to, on the Part of this Province, a Treaty between Her Majesty and the United States of America.

VII. *Voters*—To amend Act—16 Vic. c. 153—extending Elective Franchise, and defining Qualifications of.

CXXXV. *Weights and Measures*—To amend Laws—12 Vic. c. 85—concerning Inspectors of.

IX. *Witnesses*—To enable Civil Courts to Summon Witnesses from any Part of the Province.

UPPER CANADA.

XX. *Courts County*—To provide for holding of, in Cases of Illness of Judge.

CXXIII. *Courts, Error and Appeal*—To explain and amend Act—12 Vic. c. 63—establishing.

CXXII. *Courts, Superior*—To amend Act—9 Vic. c. 33—for Accommodation of.

CXXV. *Division Courts*—To extend Jurisdiction of.

CXXIV. *Dormant Equities*—To amend the Law of.

CCXXII. *Drainage*—To incorporate General Drainage and Land Improvement Company.

CXXI. *Educational*—To provide for the Sale of Lands for Educational Purposes.

CXXXIV. *Excise*—To amend Act—16 Vic. c. 184—relative to certain Duties of.

CXXXVII. *Fences and Water Courses*—To amend Act—8 Vic. c. 20—relating to.

CXXXVIII. *Highways*—To repeal 16 Vic. c. 189, and to regulate Travelling on Public.

CXXVI. [illegible]—To amend Laws relating to Custody of.

CXX. *Ins*[illegible]—To Amend Act—6 Wm. IV. c. 18—establishing Mutual Insurance Companies.

CXXX. *Jurors*—To provide for the Payment of.

CXIX. *Lands*—To authorise the Sale or Lease of Lands held in Trust for Religious Bodies.

CXXXIII. *Loans*—By-Laws for raising Loans to be approved of by Majority of Electors of Municipality requiring them.

CXXIX. *Marriages*—To remove Doubts respecting certain.

CXXXVI—*Master and Servant*—To amend Act—10 & 11 Vic. c. 23—regulating Duties between.

CXXVII. *Registry Laws*—To amend the.

CXVIII. *Replevin*—To explain Act—14 & 15 Vic. c. 64—amending and extending the Law relating to.

CXXVIII. *Reporters to Courts of Law and Equity*—To amend and consolidate the Acts—4 Geo. IV. c. 3, 3 Vic. c. 2, Acts of U. C., and 8 Vic. c. 39, and 12 Vic. c. 65, and 13 and 14 Vic. c. 51—relating to the Appointment of.

CXXXIX. *Road*—To amend the Road, Bridge, Pier or Wharf Joint Stock Companies Act—16 Vic. c. 190—of 1853.

CXXXI. *Schools*—To amend the Laws—13 & 14 Vic. c. 48. 14 & 15 Vic. c. 111—relating to Separate Schools.

CXXXII. *Schools*—To make further Provision for Grammar and Common Schools.

XXI. *Taxes*—To extend Time allowed for Assessments and Collection of Taxes in Upper Canada for 1855.

CXL. *Taxes, &c.*—To explain Act—16 Vic. c. 183—for Recovery of Taxes imposed by late District and County Councils.

LOWER CANADA.

CIX. *Bailiffs*—To amend Laws respecting Qualification and appointment.

CLXIII. *Baptisms, Marriages, and Burials*—To authorize the Keeping of separate Registers in sundry Churches.

XIX. *Building Societies*—To amend Act—12 Vic. c. 57—encouraging.

CXVI. *Building Societies*—To amend Act—12 Vic. c. 57—encouraging.

XCVII. *Convictions*—To regulate Proceedings in Appeal from Decisions of Justices of the Peace, in Summary.

XVI. *Debt, Imprisonment for*—To explain 12 Vic. c. 42.

CVII. *Debtors*—To enable Creditors to attach Effects of before Judgment in Cases under £10.

CXIII. *Driving Furiously*—To restrain on certain Highways.

III. *Feudal Rights and Duties*—For Abolition of.

CXIV. *Fisheries*—For the Protection of.

XV. *Grain, Pulse, Seeds, &c.*—Act—16 Vic., c. 193—establishing Standard Weight of, extended to L. C.

CVI. *Hypothecs*—To facilitate Sale of Immoveables charged with, where Proprietor is unknown, &c.

CIV. *Judicature*—To amend the Judicature Acts.

XCVIII. *Jurors, Petty*—To provide for payment of, and to make better Provision for other Judicial Officers.

CVIII. *Lessors and Lessees*—To consolidate the Laws relating to.

CX. *Licitations, Forced*—To regulate Proceedings on, and to give them the Effect of Sheriffs' Sales.

XIII. *Loan*—To amend and extend Consolidated Municipal Loan Fund Act—16 Vic. c. 22—to L. C.

C. *Municipal and Road Act*—For the Reform of the Municipal and Road System of Lower Canada.

XVIII. *Municipal Authorities*—To amend Act—10 & 11 Vic. c. 7—establishing.

XVII. *Notaries*—To empower Notaries to hold Meetings of Relations, &c., in certain Cases without Authority of Judge.

CXI. *Notaries*—To amend Act—Acts of 1847 and 1849—organizing.

XIV. *Partnerships, Limited*—To extend Act—12 Vic. c. 75—to Lower Canada.

CV. *Recusation of Judges*—To restrict in certain Cases.

XCIX. *Registry Laws*—To establish in and for each Electoral County.

CII. *Retrait Lignager*—To abolish the Right of.

LXXXIV. *Rivers Improvement Act*—16 Vic. c. 191—To amend and extend to L. C.

C. *Road Act*—For the Reform of the present Municipal and Road System.

CIII. *Seigniorial Act of* 1854—18 Vic. c. 3—To amend the.

CXVII. *Sunday Sales*—To repeal any Law authorizing.

Local and Personal Acts.

BANKS.

XLI. *City Bank*—To amend Act—4 & 5 Vic. c. 97—and increase Capital.
XLII. *Commercial Bank, M.D.*—To facilitate Transfer of Shares, &c., and increase Capital.
CCVI. *Eastern Townships' Bank*—To incorporate.
XLIII. *La Banque du Peuple*—To increase Capital.
CCII. *Molson's Bank*—To incorporate.
XXXVIII. *Montreal, Bank of*—To amend Charter and increase Capital.
CCIV. *Niagara District Bank*—To incorporate.
XL. *Quebec Bank*—To amend Act—4 & 5 Vic. c. 94—and increase Capital.
XII. *Savings Banks*—To amend Act—4 & 5 Vic. c. 32—relating to.
XCVI. *Savings Banks*—To regulate and repeal Act—4 & 5 Vic. c. 32—now in force for that purpose.
CCI. *St. Francis Bank*—To incorporate.
CCV. *Toronto, Bank of*—To incorporate.
XXXIX. *Upper Canada, Bank of*—To facilitate Transfer of shares and increase Capital.
CCIII. *Zimmerman's Bank*—To incorporate.

EDUCATIONAL AND LITERARY.

CCXLII. *Abbotsford Academy*—To incorporate.
CCXXXVI. *Athenæum*—To amend Act—11 Vic. c. 16—incorporating the Toronto Athenæum.
CCXLI. *Aylmer Academy*—To incorporate.
LXXIII. *College de Monnoir*—To incorporate.
CCXL. *College in Hamilton*—To incorporate.
LVI. *College Masson*—To incorporate.
LVII. *Huntingdon Academy*—To incorporate.
CCXXXVIII. *Sherbrooke Literary Institute*—To incorporate.
CCXXXIX. *Sœurs de la Presentation*—To incorporate.
LV. *St. Francis' College*—To incorporate.
CCXXXVII. *St. Michael's College*—To incorporate.
CCXLIII. *St. Rochs' Institute*—To amend Act—16 Vic. c. 265—incorporating.

GAS AND WATER COMPANIES.

CCXV. *Consumers' Gas Company, Toronto*—To extend the powers of.
XCIV. *Gas and Water Companies*—To amend Act—16 Vic. c. 173—for Incorporation of.
CCXVII. *Kingston Water Works*—To increase Capital.
CCXVIII. *Metropolitan Gas and Water Company, Toronto*—To amend Act—16 Vic. c. 250—incorporating.
XXX. *Quebec*—To enable Corporation of, to borrow a further sum for Water Works.
CCXVI. *Quebec Gas Company*—To increase Capital.

INDIVIDUAL.

CCI. *Fraser, William and Edouard*—To authorize the Selling of certain Lots in the Seigniory of Riviere du Loup.
CCLI. *Galvin, Bartholomew*—To admit to Practice as an Attorney in Upper Canada.
CCXLVIII. *Macaulay, John Jermy*—To admit to Practice as an Attorney, &c., in Upper Canada.
CCXLV. *McWattie, Rev. Alexander*—To confirm certain Marriages solemnized by.
LXVII. *Powell, William Dummer, and his Wife*—To empower Trustees to Sell certain Lands held in trust for.
CCXLIX. *Powell, William Dummer, and his Wife*—To amend Act—18 Vic. c. 67—Empowering Trustees to Sell, &c.
LXVI. *Ritchie, Rev. William*—Empowered to Sell certain Lands held in trust.
LXXIV. *Shortis, Edward*—To vest Road Allowance between Lots 15 and 16, sixth Con. Thora, in.

INSURANCE COMPANIES.

CCX. *Imperial Fire, Marine and Life Insurance Company*—To Incorporate.
LX. *Mutual Assurance Association of the Fabriques, &c*—To amend Act—16 Vic. c. 149—incorporating
CCXI. *Provident Life Assurance and Investment Company*—To incorporate.
CCXIII. *Provincial Insurance Company*—To amend Act—12 Vic. c. 167, *amended* by 16 Vic. c. 69—incorporating.
CCXII. *Quebec Fire Assurance Company*—To amend Act—9 Geo. IV. c. 58 of L. C.—incorporating and to facilitate management of Business.
CCXIV. *St. Lawrence Assurance Co.*—To incorporate.

MANUFACTURING AND MINING.

LI. *Canada Copper Company*—To incorporate.
CCXIX. *Canada Ore Dressing Company*—To incorporate.
XLVIII. *International Mining and Manufacturing Company*—To incorporate.
LII. *Kingsey Slate Works*—To incorporate.
CCXX. *Lyn Manufacturing Company*—To incorporate.
XLIX. *Megantic Mining Company*—To incorporate.
CCXXI. *Montreal Locomotive and Steam Engine Manufacturing Company*—To incorporate.
CCXXIII. *Canada Powder Company*—To incorporate.
XLVII. *Quebec and St. Francis Mining and Exploring Company*—To incorporate.
L. *Shipton Slate Works*—To incorporate.
L. *St. Lawrence Mining Company*—To incorporate.
XLVI. *Upper Canada Mining Company*—To amend Act 10 & 11 Vic. c. 73—incorporating.

MISCELLANEOUS.

CLVII. *Accidents by Fire, Quebec and Montreal*—To authorize Investigation in cases of.
CLI. *Ameliasburg Township*—To confirm Survey of, declaring the inclusion of Hillier.
XXV. *Bedford, Township*—To confirm certain Surveys of.
CLXXIII. *Beverly, Township*—To revive, continue and amend Provisions of Act—16 Vic. c. 230—establishing Boundaries of certain Lots.
CXLI. *Burial Grounds, Quebec*—To prohibit Interments in certain.
CXLVI. *Burial Ground, General, of Toronto*—To enable Trustees to Close the same and Sell a portion thereof, and for other purposes.
XXVII. *Chatham, Town*—To empower School Trustees to Dispose of a certain Land.
CLXVIII. *Circuit, Arthabaska*—To alter Limits of, and for other purposes.
CLVIII. *Circuit, Quebec*—To alter and extend Limits of.
XXIX. *Cornwall, Town*—To declare certain Survey valid.
CLXIV. *Court-Houses, Montreal and Aylmer*—To make provisions for Defraying Cost of, at.
CL. *Dundas, Town*—To amend Act—16 Vic. c. 54—authorizing the Town of, becoming security to a certain amount for the Desjardins Canal Company to the Great Western Railway Company.
CLXVII. *Durham, Township*—To alter the tenure of Indian Lands in.
LXIV. *Friendly Society*—To incorporate the British American Friendly Society of Canada.
LXIX. *Halton & Wentworth, Counties of*—To make certain provisions rendered necessary by the Separation of.
CXLVII. *Hamilton, City*—To authorize the negotiation of a Loan of £50,000.
CLXXII. *Hamilton, Township*—To confirm a certain Survey in.
LXI. *Hospital, Montreal*—To incorporate the University Lying-in.
CLXX. *Huntingdon, County*—To remedy the Defects in certain Deeds.
CXLII. *Industry, House of, Montreal*—To transfer all Property, rights and privileges, &c., to the City.
CCXXVI. *L'Hospice St. Joseph de la Maternite, Quebec*—To incorporate.
CCXLVII. *Masonic Hall, Quebec*—To incorporate.
CCXLIV. *Medicine and Surgery*—For relief of certain Practitioners in, L. C.
CLIV. *Monaghan, Township*—To repeal Act—16 Vic. c. 228—confirming Road Allowance in.
CLXII. *Montreal, City*—To amend the several Acts—14 & 15 Vic. c. 128, 7. Vic. c. 44, and 16 Vic. c. 127—of incorporation.
LXII. *Montreal Dispensary*—To incorporate.
XXXVII. *Niagara Falls Suspension Bridge*—To increase Capital Stock of.
CLVI. *Niagara, Township*—To confirm a certain portion of the original Survey.
CLXXI. *Norwich, Township*—To divide into two separate Municipalities.
CLXV. *Notaries of St. Francis*—To suspend parts of the Acts—10 & 11 Vic. c. 21, and 13 & 14 Vic. c. 39—regulating the Profession as far as it relates to this District.
XXVI. *Otonabee, Township*—To authorize the Exchange of Concession Road Allowance.
XXIII. *Ottawa, City*—To erect the town of Bytown into.
CXLVIII. *Paris, Town*—To incorporate and define the Limits thereof.
XXXI. *Quebec, City*—To enable Corporation of to raise Loan to consolidate City Debt.
CLIX. *Quebec, City*—To amend and consolidate provisions of Ordinances of Incorporation, and to vest more ample powers in Corporation.
CCXXXII. *Quebec Benevolent Society*—To amend Act—Act of L. C., 47 Geo. III. c. 17—incorporating.

LXIII. *Quebec Friendly Society*—To amend Act—Act of L. C. 10 & 11 Geo. IV. c. 49—incorporating.

CLX. *Quebec Turnpike Road*—To increase Tolls on.

LXXV. *Seed*—To enable farmers of Lower Canada to more easily obtain Seed during present year.

CLIII. *Smith, Township*—To determine the courses of Side Lines of certain Lots in.

CLXIX. *St. David, Parish of*—To legalize a certain Assessment and School-rate in.

CLXVI. *St. Francis, District*—To increase the number of sittings of Courts of Justice within, &c.

CXV. *Students-at-Law, L. C.*—To amend Act—16 Vic. c. 130—relative to the Enregistration of the Articles, &c., of.

XC. *Supplies*—For defraying Expenses of Civil Government for 1855.

LXXXIII. *Surveyors*—To amend Acts—12 Vic. c. 35, 14 & 15 Vic. c. 4—Relating to Land Surveyors.

CCXXXI. *Temperance, Sons of*—To incorporate in L. C.

CXLV. *Toronto, City*—To confirm the City in possession of Peninsula and Marsh, now held by it under license.

LIV. *Toronto Exchange*—To incorporate.

CLXI. *Trinity House, Quebec*—To increase Salaries of Superintendents of Pilots, and of the Bailiff of.

CXLIV. *Trout*—To prevent the taking of, with nets in Lakes of the county of Saguenay.

CCXXIV. *Victoria Hospital, Quebec*—To incorporate.

CXLIX. *Welland, County*—To authorize the raising of Means to liquidate certain Debts and Claims against, and for other purposes.

XXVIII. *Whitby, Town*—To incorporate and define Limits of.

CLV. *Winchester, Township*—To confirm present Boundaries of certain Lots in.

CLII. *Wolfe Island, Township*—To determine Manner in which the Side Lines of Lots of, shall be drawn.

XXXII. *Yamaska Seigniory*—To amend Act—14 & 15 Vic. c. 135—reviving Act—of L. C., 3 Geo. IV. c. 18—regulating the Common of.

NAVIGATION, DOCKS AND HARBOURS.

XLV. *Canada Ocean Steam Navigation Company*—To incorporate.

CCXLVI. *Dam* or *Breakwater on Grand River*—To authorize the Construction of, at or near the Village of Preston.

XXII. *Harbour Companies*—To amend the Joint Stock, Pier, Wharf, Dry Dock, and Harbour Company's Act—16 Vic. c. 124.

CXCVII. *Humber Harbour Co.*—To renew Charter of.

LXXI. *Louth Harbour*—To extend time for completing.

CXLIII. *Montreal Harbour*—To provide for the Management and Improvement of.

XLIV. *Montreal Ocean Steam Ship Co*—To incorporate.

CC. *Ontario and Bay of Quinte Canal Co.*—To incorporate.

CXCVIII. *Otter Creek Navigation Co.*—To incorporate.

CXCIX. *Port Burwell Harbour Co.*—To amend Act—12 Vic. c. 160, amended by 14 & 15 Vic. c. 157—of incorporation.

XXIV. *Port Hope Harbour*—To amend Act—16 Vic. c. —incorporating Commissioners.

CLXXIX. *Woodstock and Lake Erie Railway & Harbour Company*—To amend Charter—11 Vic. c. 117—of.

RAILWAYS.

CLXXXII. *Amherstburg & St. Thomas*—To incorporate.

CLXXXI. *Brockville & Ottawa*—To amend Act—16 Vic. c. 106—incorporating.

CLXXXVIII. *Bytown and Prescott*—To change the name of, and to amend Act—13 & 14 Vic. c. 132—incorporating.

CLXXVII. *Champlain and St. Lawrence*—To amend and extend Act—16 Vic. c. 78—incorporating.

CLXXXVI. *Cobourg and Peterboro'*—To amend Act—16 Vic. c. 242—and to authorize the Construction of a Branch to Marmora.

LXX. *Galt and Guelph*—To amend Act—16 Vic. c. 42—authorizing Construction.

XXXIII. *Grand Trunk*—To amend Acts—16 Vic. c. 37, 16 Vic. c. 38, 16 Vic. c. 43, 14 & 15 Vic. c. 148, 16 Vic. c. 41, 13 & 14 Vic. c. 116, 8 Vic. c. 25, 10 & 11 Vic. c. 65, 16 Vic. c. 39, and 16 Vic. c. 76—relating to.

CLXXIV. *Grand Trunk*—Granting additional aid to, by Loan.

CLXXV. *Grand Trunk*—To authorize a change of location in the City of Toronto.

CLXXVI. *Great Western*—Authorizing the Construction of a Branch to Brantford.

CXCIII. *Hamilton and South Western*—To incorporate.

CLXXX. *Hamilton and Toronto*—To amend Act—16 Vic. c. 44—incorporating.

CXCI. *L'Assomption River Railway*—To incorporate.

CLXXXIX. *Montreal and Bytown*—To amend Act—incorporating, and for other purposes.

CLXXXVII. *Montreal and Vermont Junction*—To amend Act—12 Vic. c. 178, amended by 14 & 15 Vic. c. 145—incorporating.

XXXIV. *North Shore Railway*—To amend Act—16 Vic. c. 100—incorporating.

CXCII. *Oakville and Arthur*—To incorporate.

CLXXVIII. *Ontario, Simcoe and Huron*—To remove doubt as to their power of Constructing Branch into Barrie.

CXCIV. *Peterboro' and Chemong Lake Railway*—To incorporate.

XXXVI. *Peterboro' and Port Hope*—To change the name of, and amend Act—9 Vic. c. 109—incorporating.

CXCV. *Port Perry and Whitchurch*—To incorporate.

CXCVI. *Quebec, Chaudiere, Maine and Portland Company*—To incorporate.

XXXV. *Quebec and Saguenay Company*—To incorporate.

CLXXXIII. *Sorel, Drummondville and Richmond*—To incorporate.

CXC. *St. Clair, Chatham and Rondeau*—To incorporate.

CLXXXV. *Stanstead, Shefford and Chambly*—To amend Act—16 Vic., c. 107—incorporating.

CLXXXIV. *Stratford and Huron*—To incorporate.

CLXXIX. *Woodstock and Lake Erie Railway and Harbour Company*—To amend Charter—11 Vic. c. 117—of.

RELIGIOUS INCORPORATIONS.

CCXXXIII. *Asylum of the Good Shepherd, Quebec*—To incorporate.

CCXXXIV. *Benevolent Society of Notre Dame de Bonsecours, Montreal*—To incorporate.

CCXXIX. *Bible Society of Upper Canada*—To incorporate.

CCXXVIII. *Catholics of Quebec, speaking English*—To incorporate.

CCXXVII. *Colonial Church Corresponding Committee of, at Montreal*—To incorporate.

LVIII. *Evangelical Lutherans*—To enable their Ministers to solemnize Matrimony, &c.

LXXII. *Evangelical Society at La Grande Ligne*—To incorporate.

LIX. *German Evangelical Church*—To relieve.

CXII. *Parishes, Churches, Parsonage Houses & Churchyards*—To amend Acts—13 & 14 Vic. c. 44, and 14 & 15 Vic. c. 103—and Ordinance—2 Vic. c. 29—concerning the civil Erection of.

CCXXX. *Religious Tract and Book Society of Upper Canada*—To incorporate.

CCXXV. *Sisters of St. Joseph, Toronto*—To incorporate.

CCXXXV. *St. Patrick's Orphan Asylum, Montreal*—To incorporate.

LXV. *Zion Church, Montreal*—To empower Trustees to alienate certain Property.

TELEGRAPHS.

CCVIII. *British North American Telegraph Company*—To amend Act—16 Vic. c. 111—incorporating.

CCVII.—*Montreal Telegraph Company*—To amend Act—10 & 11 Vic. c. 83—incorporating.

CCIX. *New York, Newfoundland, and London Telegraph Company*—To grant certain Privileges to.

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Bursar's Department of the University and Colleges at Toronto.—Bursar, David Buchan, Cashier or Chief Clerk, Alan Cameron; Book-keeper, M. Drummond; Assistant Clerk, James Nation; Messenger, William Morrow, Office, St. George's Square.

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University of Trinity College, Toronto: Incorporated by Royal Charter, 1852.—Council—The Honorable and Right Reverend the Lord Bishop of Toronto, The Honorable Sir J. B. Robinson, Bart., Chancellor of the University, The Rev. the Provost of Trinity College, Professor Hodder, Professor Vankoughnet, Rev. Professor Parry, Rev. Professor Irving, The Rev. George O'Kill Stewart, D.D., LL.D., Archdeacon of Kingston, The Ven. A. N. Bethune, D.D., LL.D., Archdeacon of York, The Rev. H. J. Grasett, B.D., G. W. Allan, Esq., John Arnold, Esq., Lewis Moffatt, Esq., The Hon. James Gordon, The Hon. Mr. Vice-Chancellor Spragge, James M. Strachan, Esq., Sir Allan McNab, M.P.P; Secretary, Charles Magrath, Esq. Officers of the College—Provost, George Whitaker, M.A.; Professor of Divinity, the Provost; Professor of Classics, E. St. John Parry, M.A.; Professor of Mathematics, G. C. Irving, M.A. Professors of the Faculty of Law—The Hon. J. H. Cameron, Q.C., J. H. Hagarty, Q.C., P. M. Vankoughnet, Q.C. Professors of the Faculty of Medicine—Obstetrics, E. M. Hodder, M.D., M.R.C.S., Eng.; Institutes of Medicine, James Bovell, M.D., M.R.C.P., Eng.; Principles and Practice of Surgery, Cornelius J. Philbrick, F.R.C.S., Eng.; Anatomy and Physiology, N. Bethune, M.D., M.R.C.S., Eng.; Practice of Medicine, F. Badgley, M.D., M.R.C.S., Edin.; Materia Medica and Therapeutics, W. Halliowell, M.D., M.R.C.S., Edin.; Medical Jurisprudence, F. M. Russell, M.D., M.R.C.S., Eng.; Chemistry, Henry Youle Hind, M.A. Professor of Music, G. W. Strathy, Mus. Bac.

Bishop's College, Lennoxville: Incorporated by Royal Charter, 1853.—President of the Corporation, and Visitor, The Right Rev. the Lord Bishop of Quebec. Vice-President of the Corporation, and Visitor, The Right Rev. the Lord Bishop of Montreal. Chancellor, Hon. W. Walker. Vice-Chancellor, Hon. J. S. McCord. Trustees, H. Smith, Esq., Chairman, Hon. E. Hale, Hon. J. S. McCord, G. F. Bowen, Esq., W. Baker, Esq., B. Morris, Esq., Rev. C. P. Reid, Rev. R. Doolittle, Rev. R. Lindsay, Rev. W. Bond. College Council, Rev. J. H. Nicols, H. Miles, Esq., E. Chapman, Esq., Rev. J. H. Thompson. Officers of the Corporation, E. Chapman, Esq., Secretary; E. L. Montizambert, Esq., Honorary Counsel: E. Chapman, Esq., Auditor; Rev. R. Doolittle, and B. T. Morris, Esq., Attorneys. Officers of the College, Rev. J. H. Nicolls, M.A., Principal and Professor of Classics; H. Miles, Esq., M.A., Vice-Principal and Professor of Mathematics and Natural Philosophy; Rev. J. Henry Thompson, M.A., Professor of Divinity: ————, Professor of Chemistry and Mineralogy; Rev. L. Doolittle, M.A., Bursar; Rev. J. H. Thompson, M.A., Librarian.

College of Regiopolis, Kingston.—(See Clergy, p. 70, col. 2.)

College of Bytown.—(See Clergy, page 70, col. 1.)

St. Michael's College, Church Street, Toronto.—Incorporated by Act of the Legislature, 1855. In Charge of the Fathers of the Order of St. Basil.—(See Clergy, p. 70, col. 2.)

Knox's College.—Rev. M. Willis, D.D., Professor of Systematic Theology, &c.; Rev. J. P. Young, Professor of Evidences of Religion, Moral Philosophy, and Logic; J. A. Smith, Classical Tutor; Rev. W. Reid, A.M., Secretary.

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Divinity Hall of the United Presbyterian Synod.—The Divinity Hall meets in Toronto on the 3rd Tuesday in October, and continues in session till 2nd Thursday of April. Professor, Rev. John Taylor.

Universite Laval—Faculte de Medecine, J. Blanchet, M.D., Professeur de Physiologie et des Institutes de la Medecine; J. A. Sewell, M.D., Professeur de la Therrie et de la Practique de la Medecine, et de Clinique Medicale; J. Z. Nault, M.D., Professeur de Matiere Medicale et de Therapeutique, et de Clinique Medicale; J. C. Fremont, M.D., Professeur des Principes et de la Practique de la Chirurgie, et de Clinique Chirurgicale; A. A. Jackson, M.D., Professeur de l'Obstetrique et des Maladies des Femmes et des Enfants; J. Landry, M.D., Professeur d'Anatomie et de Clinique Chirurgicale; E. Lemieux, M. D., Professeur de Jurisprudence Medicale, et Demonstrateur en Anatomie; S. S. Hunt, Ecuyer, Prof. de Chimie; T. Z. Nault, Secretaire.

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Grammar Schools.—Each of these Schools is managed by a Board of Trustees, appointed by the County Council. There is one Grammar School in each County Town, which receives at least £100 per annum; and where the funds will admit of it, others may be established in different parts of the County. Pupils attending these Schools are prepared for matriculation in the University and Colleges. There were 64 Grammar Schools, with 4,287 pupils, in Upper Canada, in 1854.

Common Schools.—Each township is divided into School Sections of a suitable extent for one School; and in each of these sections three Trustees are elected to manage its school affairs. In cities, towns and villages they are managed by a board of School Trustees elected for each ward or municipality. There were 3244 Common Schools, with 204,108 pupils, in Upper Canada, in 1854.

Public School Libraries—Each School and Municipal Corporation desirous of establishing Free Public Libraries, is aided by the Educational Department granting 100 per cent. on local appropriations, and supplying books from the Depository in connection with the Department. During the last year and a half (October, 1855) about 250 Libraries have been established, containing 115,508 volumes.

The Total number of educational institutions reported by the Department of Public Instruction in operation in Upper Canada during 1854, was 3,512, attended by 214,734 pupils, and expending £239,128 11s. 3d. in their support.

MEDICAL.

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Toronto General Hospital.—Incorporated 1847—Trustees: Appointed by Government, Hon. C. Widmer, M.D. James Beaty, and John Doel; by Corporation, G. W. Allan; by Board of Trade, Thos. Clarkson. Consulting Phys. & Surg., Hon. C. Widmer, M.D. Attending Phys. and Surg.'s, W. Telfer, M.R.C.S., Edin.; G. Herrick, M.D.; W. R. Beaumont, M.D., F.R.C.S., Eng.; E. M. Hodder, M.D., F.R.C.S., Eng.; James Bovell, M.D., L.R.C.P., London; J. Scott, M.D., M.R.C.S., Eng.; James H. Richardson, M.D., M.R.C.S., Eng.; Resident Surgeon, Edward Clarke, F.R.C.S., Eng.; Secretary and Treasurer, J. W. Brent. Hours of attendance, 12 o'clock, noon, daily. Visitors are permitted to see their friends every day from 3 to 5 p.m., except Saturday and Sunday.

Provincial Lunatic Asylum, Toronto.—Two-and-a-half miles West from the City Hall, on Queen Street. Property vested in the Crown. Government appoint Medical Superintendent and Bursar, and four visiting commissioners quarterly, two of whom are residents of the city, who frame by-laws for its government, thoroughly examine the Asylum, and report to the Governor General. The building was designed to accommodate, when the wings are erected, 250 patients; there are at present 370 in it. The Institution is open to the public between the hours of 12 noon and 3 p.m., every day, Saturdays and Sundays excepted, by application to the Medical Superintendent at the Asylum. The admission of patients is regulated by the Act, 16 Vic. chap. 188, which requires that the patient be examined by three licensed medical practitioners, verified by Reeve or Mayor collectively, who certify to the insanity. From the overcrowded state of the house, admissions are at present made as vacancies occur, according to priority of applicants. Idiots and persons afflicted with paralysis are inadmissable. Visiting Commissioners, G. S. Tiffany, Chairman, E. F. Whittemore, W. L. Perrin, and John Simpson, Esquires. Officers of the Institution: Medical Superintendent, Joseph Workman, M.D.; Bursar, J. McKirdy; Steward, G. McCullough; Matron, M.A. Parkes.

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NOTE.—The Compiler, on the conclusion of his labors, regrets that want of space forbids the insertion of an Addenda correcting many typographical errors, and in particular, the List of Magistrates, as published under the head Municipalities. He regrets, also, to announce, that he has been compelled to exclude from the present Almanac, valuable Governmental Returns relating to the Provinces of Nova Scotia, New Brunswick, Prince Edward's Island and Newfoundland, so kindly furnished him by officers in their respective governments. To them, however, and the very many gentlemen who afforded him information respecting the Government of Canada, the Municipalities, and other departments of the Almanac, he would tender his most sincere thanks for their valuable assistance.

CANADA PERMANENT
BUILDING AND SAVINGS SOCIETY,

ESTABLISHED IN 1855.

TO SUCCEED THE TORONTO, AND FARMERS' & MECHANICS' BUILDING SOCIETIES.

ON AN IMPROVED SYSTEM.

BOARD OF DIRECTORS.

JOSEPH D. RIDOUT, Esq., *President.*
PETER PATERSON, Esq., *Vice President.*

J. G. CHEWETT, Esq. — E. F. WHITTEMORE, Esq.
T. D. HARRIS, " — J. G. BEARD, "
A. NORDHEIMER, " — THOS. MACLEAR, "

Solicitor—E. C. JONES, Esq. — *Surveyor*—W. B. CREW, Esq.

Secretary and Treasurer—Mr. J. HERBERT MASON.

Bankers—THE BANK OF UPPER CANADA.

Office—The Office lately occupied by the FARMERS AND MECHANICS' BUILDING SOCIETY, Toronto Street, Toronto.

Shares, £100; Half Shares, £50; Quarter Shares, £25.

TO INVESTING MEMBERS.

THE certain and highly profitable return secured to Investors of either large or small amounts by institutions of this nature, when properly conducted, as exemplified in the successful termination of the two societies above named, is now well understood; and in this Society the Investing Member has the additional advantage of being able to withdraw the amount paid in on his stock, with compound interest, whenever he desires, on giving a limited notice. New members will be received at any time, and will share in the profits from the time of their subscriptions commencing. Shares are paid up by monthly instalments of £1 1s. each, extending over six years, on which a discount will be allowed when paid in advance. A payment at the time of entering, of £64, entitles a Member to the full amount of his share, at the expiration of the time specified, and half or quarter shares in proportion.

TO DEPOSITORS.

To persons not members, the Society offers all the advantages of a SAVINGS BANK, together with a higher rate of interest and more accommodating terms than those institutions are able to afford. The whole capital of the Society is pledged for the security of money received on deposit, and being all loaned on real estate, no safer guarantee can be given or required. Money will be received, for which interest will be paid at the rate of six per cent. per annum, on sums of ten pounds and upwards, and five per cent. under that amount, withdrawable at any time, on notice being given.

TO BORROWERS.

The Society will make advances, repayable by monthly contributions covering principal and interest, according to the following

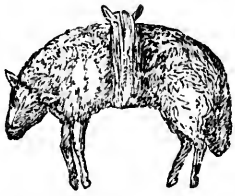
LOAN TABLE:

	One Share of £100 0 0	Half Share of £50 0 0	Qr. Share of £25 0 0
To be repaid in 1 year—a monthly payment of.....	£8 18 4	£4 9 2	£2 4 7
" " 2 " " "	4 15 0	2 7 6	1 3 9
" " 3 " " "	3 7 3	1 13 7	16 10
" " 4 " " "	2 13 2	1 6 7	13 4
" " 5 " " "	2 5 0	1 2 6	11 3

Applications for loans will be received by the Secretary, from whom copies of the Rules and Prospectus, and any further information may be obtained on application—if by letter, post-paid.

JAMES LEISHMAN,
MERCHANT
TAILOR,
READY-MADE CLOTHING,
IMPORTER OF
CLOTHS, CASSIMERES, VESTINGS,
AND
DRY GOODS,
KING STREET, TORONTO.

FALL IMPORTATIONS
AT THE
TORONTO YORKSHIRE HOUSE,
105, YONGE STREET, SIGN OF THE

GOLDEN  FLEECE.

THE Subscribers, in returning thanks to their numerous customers and the public at large for past favours, beg respectfully to announce, that their Stock is now complete with a large and select assortment of

Fall and Winter Dry Goods,

Comprising in part of Silks, Plain and Embossed Satins—all colours, Velvets, French Flowers, Ribbons, Laces, Black and coloured Grenadine Falls, Gloves, Scotch and Shetland Wool Hosiery, Ladies' Woolen Under-Dresses, Polkas, Furs, the latest styles in Paisley and German Wool Long Shawls, Fancy Dress Goods, Alpacas, Orleans, Cobourgs, French Merinos, Lama and Henrietta Cloths, Poplins. The Staple Department is, as usual, well stocked with English and Canadian BLANKETS; Horse Blankets of superior quality and size; Home-made English and Welsh Flannels, Yarns, Worsted, L. Wools, Shirtings, Sheetings, Tickings, Factory cottons very cheap, with every other article suitable for the season. ☞ Goods marked in plain figures, the ONE PRICE as usual, strictly adhered to. N.B. Just received, a splendid assortment of Children's Knitted German Wool Over Dresses. Also, Fifty Dozen Knitted Wool Socks.

Toronto, November, 1855. BILTON & BLAKELY.

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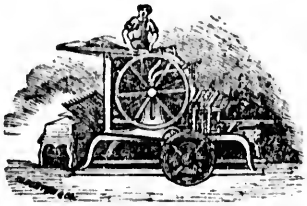
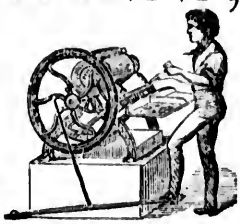
CITY STEAM PRESS,



63 YONGE STREET,

TORONTO.



BETWEEN KING AND ADELAIDE STREETS.

JOHN BLACKBURN,

Book, Job and Ornamental Printer,

Begs most respectfully to draw the attention of the Canadian Public to his NEW AND UNRIVALLED STEAM PRINTING ESTABLISHMENT. Possessing every advantage to be derived from the use of STEAM MACHINERY and the LARGEST, BEST, and MOST VARIED ASSORTMENT OF TYPE and other PRINTING MATERIALS in Canada, he is prepared to execute a very large amount of

PRINTING IN ALL ITS BRANCHES!

No Job, in Printing, however small or common, or however extensive or fine, but can be executed at the CITY STEAM PRESS. This Establishment possesses one of Ruggles' Card Machines, capable of working off 1500 to 2000 Cards per hour. BUSINESS CARDS ONLY $4 per 1000!!

SHOW CARDS of every description printed in Gold and Colours, equal to any on this Continent.

At the late PROVINCIAL EXHIBITION, held at CONOURG, in October last, TWO PRIZES WERE AWARDED TO THIS ESTABLISHMENT FOR THE BEST SPECIMENS OF PLAIN AND ORNAMENTAL PRINTING.

Country Merchants will save at least 25 per cent. by having their Printing done at this Office. ORDERS BY POST promptly attended to and punctually executed.

MAKE A NOTE OF THE ADDRESS:

Blackburn's City Steam Press, No. 63 Yonge Street, Toronto.

THOMAS WHEELER,

Seal and Copper-Plate Engraver,

WATCHMAKER, &c.,

Begs to inform his friends and the public, that he has REMOVED his Office to No. 18, KING STREET EAST, five doors East of his old stand (over the store of G. B. Wylie, Esq., first floor) where he will have increased facilities for executing the orders of his customers.

CLOTHING, DRY GOODS, OR MILLINERY

CAN BE HAD AS CHEAP AT

GEORGE LONGMAN'S

NEW STORE,

80, KING STREET EAST, TORONTO,

As any other retail store in the City. Also,

TAILORING IN ALL ITS BRANCHES.

CALL AND PROVE IT!

PLAIN FIGURES ONLY ARE USED, AND NO SECOND PRICE.

GEORGE LONGMAN.

"THE LEADER."

LITTLE more than three years ago, the Proprietor of the *Leader*—without having canvassed for party support, without having established any intermediate agencies for the enlistment of public patronage, without having covenanted beforehand for the co-operation of a single individual either in public or in private life—announced his intention of publishing a first-class Political Journal. The bitterness, the personal as well as the political animosity which characterized party journalism throughout the Province, led him to anticipate that a Newspaper which should introduce a new era in the Periodical Literature of the Province, by discussing public questions solely on their merits—by discarding personalities, unless when these were indispensable—by assuming to storm the citadel of public opinion by argument, rather than by appeals to passion and to prejudice—could not fail to win its way into favor and influence with an intelligent community. Taking a retrospect from the present stand-point, the Proprietor feels that he can congratulate himself on the realization of his highest anticipations. Only a few months after this Journal was first published, the readiness with which the public supported it justified an enlargement. A few months more, and he found himself warranted in increasing the issues of the Journal from a Semi-Weekly to a Daily Edition. An enlargement in the Daily, the Semi-Weekly, and the Weekly, had to be made at a later date; and more than twelve months ago, by the incorporation of the *Daily Patriot* with the *Leader*, another important step in advance was taken by the issue of an Evening as well as a Morning Edition, along with the two Semi-Weekly and two Weekly Editions. Eighteen separate issues each week were thus given forth from the same Press, and under the same Proprietorship as that which first sent forth the Semi-Weekly bantling of 1852, to win its way to public favor. A few months subsequently, and before the *Leader* had completed the third year of its existence, a step still more important in newspaper improvement was made by the Proprietor. At a sacrifice which every other Journal in this Province, and every other Journal on this Continent—the New York *Tribune*, *Herald*, and *Times* alone excepted—has shrunk from, he determined on discarding the handbill system of advertising by the use of large type displayed over a great surface, and not only occupying space which might be devoted to reading matter, but destroying that harmony in the mechanical appearance of the Paper, which forms so marked a feature in English Journals, as compared with those of the United States, France, and Germany. Along with this plan of condensation, the Proprietor made, simultaneously, another change, which probably aggravated the sacrifice, without being correspondingly satisfactory in the shape of an improvement. This change, it is needless to say, was the adoption of the quarto form of publication. All these changes, however, it is proper to state, exemplified a progress in the history of Journalism which the Province had never before witnessed. And how sensible the reading public were of the improvement, may be gathered from the fact, that before the completion of the third year of the Journal's existence, our Paper was in the hands of FIFTEEN THOUSAND Families! and could count between Ninety and a Hundred Thousand Readers! This patronage—altogether unprecedented in the Province—was procured by no agency, save that of the voluntary co-operation of an appreciative public. The readers of the various Editions of our Journal have not been indifferent to the fact, that we had sacrificed, in some measure, the patronage of the advertising community solely for their benefit—in order, in the first place, that there might be more reading matter in the Paper, and in order that the taste of an intelligent people might be gratified by the introduction of important mechanical improvements.

In the Fourth year of the Journal's existence, we sit down to chronicle yet another step in its progress. We have already alluded to the sacrifices which we have made of advertising patronage, purely for the benefit of the reading community. The time has come when, we think, the interest both of our readers and our advertisers may be advanced, by an improvement altogether new in the progress of Canadian Journalism. To give proper facilities to advertisers for display, at the same time that we jealously protect the interests of our readers, by an ample record of the news of the day, is a problem which has cost us some labour to solve. Whether we have succeeded, the future must, in part, be left to determine. Our present conviction is, that we *have* succeeded. Our plan is to discard the Quarto form, and throw open our columns for advertising display. We introduce, also, the fine broad column of the English Daily Journals—so well suited to show off Advertisements, and yet so well adapted to purposes of condensation, when space is valuable, as it always must be, in a leading Political and General Newspaper. With the introduction of the broad columns, the Proprietor has determined, also on improving the quality of the printing paper; and along with these changes, we add a large space, equal to four broad columns, to the size of the Journal. The tendency of our improvement, however, is more towards mechanical excellence and perfect workmanship, than towards indefinite enlargement. We purpose showing those who follow our Leadership, what can be done in the way of newspaper progress and improvement, and we have confidence in the intelligence, the refinement, and the good taste of a Canadian community, that we shall not labour in vain.

In regard to the Literary department of the Journal, the Public are the fittest judges whether there is a corresponding improvement. On this point, it is out of place for us to say anything. Our Journal professes to speak in behalf of the intelligence of the Province. We claim for it the character of calmly discussing questions of political interest; of working with and for the body of the people, rather than slavishly serving a party; and of furnishing intelligence of the most valuable kind in advance of any other Journal in Canada.

THE MORNING EDITION

Of the *Leader* is published at the rate of Five Dollars a-year, every penny of which is expended in procuring the naked sheet on which we print: payable in advance, otherwise Six Dollars.

THE EVENING EDITION

Is published at the same rate, and contains all the News of each day, up to Four o'clock P.M.

THE SEMI-WEEKLY EDITION

Is published on Tuesdays and Fridays, at Three Dollars a-year, paid in advance, and Three-and-a-half Dollars credit.

THE WEEKLY "LEADER,"

One of the best Journals for Country Circulation in Canada, is published every Wednesday Morning, at One Dollar a-year, strictly in advance. When not paid in advance, the charge is Two Dollars.

THE WEEKLY "PATRIOT"

Is also published every Wednesday, and is a First-class Weekly Paper, circulating more largely than any other Journal in Canada. It will be furnished on the same terms as the Weekly Leader.

Advertisements for the Daily Editions are inserted in the Semi-Weekly and Weekly Issues, without extra charge, at rates as low as those of Journals of the smallest circulation, notwithstanding that each Advertisement which appears in our Columns is seen by at least ONE HUNDRED THOUSAND PERSONS!

JAMES BEATY,
PUBLISHER,
No. 120, King Street East, Toronto.

Toronto, November 1st, 1855.

PROFESSIONAL LIFE ASSURANCE COMPANY,

Chief Offices—76, CHEAPSIDE, LONDON.

All Policies undisputable. No charge for Policy Stamps.

Safe, cheap, and offering advantages beyond those of any former Company.

JOHN C. GEIKIE, *Agent*,
70, YONGE STREET, TORONTO.

☞ COPY YOUR LETTERS.—THE COPYING PRESS SUPERSEDED.

THE CHINESE TRANSCRIPT FLUID,

Three Shillings and Nine-pence a Bottle.

By Royal Letters Patent, offers invaluable benefit to all for business or private correspondence, copying all letters or documents perfectly and at once, by the mere pressure of the hands.

"A writer with this fluid is enabled to produce a copy of his letter or writing without trouble and in a moment."—(*London*) *Times.*

JOHN C. GEIKIE, Bookseller and Stationer, Wholesale and Retail Agent for Canada. 70, YONGE ST., TORONTO.

JOHN RITCHEY, Jun.,

ST. LAWRENCE BUILDINGS, TORONTO.

WHOLESALE AND RETAIL DEALER IN

STAPLE AND FANCY DRY GOODS,

READY-MADE CLOTHING, &c.

Has constantly on hand a large Assortment of Plain and Fancy Dry Goods, Ready-made Clothing, &c.,

WHICH FOR VARIETY AND LOWNESS OF PRICE CANNOT BE SURPASSED.

WORTHY OF NOTICE.

REV. DR. LYMAN BEECHER to Messrs. Reed, Cutler & Co., Boston.

Gentlemen,—I have used the *Vegetable Pulmonary Balsam* myself with benefit in Catarrhal Coughs and Colds, and have known it to be used with good effects in the early stages of Pulmonary Affections, in families around me.

(Signed) LYMAN BEECHER.

Boston, October 20, 1855.

Rev. Dr. Leonard Woods, (late Abbott Professor in Andover Theological Seminary.) writes to Messrs. Reed, Cutler & Co., as follows:—"From a long use of the *Vegetable Pulmonary Balsam* in my family circle, and in some instances among Theological Students, I have been led to regard it as a safe and efficacious medicine."

HOW ESTEEMED BY PHYSICIANS.—JOHN. A. BERRY, M.D., Saco, Me., says, "During a practice of twenty years, I have seen used all the popular remedies for Coughs, and am well satisfied that your VEGETABLE PULMONARY BALSAM is best, and I hope it will be better known and more generally used."

OPINIONS OF THE TRADE.—August 1st, 1854—"We know of no medicine which has deservedly sustained so high a reputation for so long a term of years, or which more rarely disappoints the reasonable expectations of those who use it." [signed,]

Allen & Co., Cincinnati, Oh.—Wm. H. Harrison, Cincinnati, Oh.—J. B. Wilder & Co., Louisville, Ky.—Barnard, Adams & Co., St. Louis, Mo.—F. Scammon & Co., Chicago, Ill.—E. E. Gay, Burlington, Iowa,—J. Musson, Quebec, C. E.—Wm. T. Baird, Woodstock, N. B.—Brewers, Stevens & Cushing, Boston, Mass.—B. A. Fahnestock & Co., New York, N.Y.—B. Hollister & Co., Buffalo, N. Y.—Carleton & Hovey, Lowell, Mass.—J. L. Thompson Co., Troy, N. Y.—Isaac Post, Rochester, N. Y.—A. McClure & Co., Albany, N. Y., and many others of the oldest and most respectable Druggists in the United States.

The above requires no comment, and must commend itself to all. The VEGETABLE PULMONARY BALSAM, so favorably known for the past THIRTY YEARS, for COUGHS, COLDS, CONSUMPTION, AND ALL DISEASES OF THE LUNGS, THROAT AND CHEST, is prepared ONLY by REED, CUTLER & CO., Druggists, Boston.

Price—Small bottles, 50 cents; large, $1. Sold in Montreal by Lyman, Savage & Co., W. E. Bowman and R. Birks—Quebec, J. Musson & Co., J. Bowles and G. G. Ardouin—Toronto, by Lyman & Bros.—Hamilton, by Winer, Moore & Co., and Hamilton & Kreshaw—Bytown, R. A. Boal and J. Roberts—Richmond, by Foster & Macleay—Woodstock, by T. & H. H. Scott, D. McLaren & Co.—Three Rivers, L. A. Dubord—St. Catharines, C. A. Brouse & E. Pafford—Sherbrooke, Wm. Brooks & Co.—Niagara, H. Pafford—Cobourg, T. B. Howells—Kingston, E. W. Palmer—Belleville, R. Holden & Co.—Port Hope, Chas. Brent—Dundas, J. M. Thornton—London, C. M. Sims and B. A. Mitchell—Melbourne, Thos. Tait—Brantford, A. H. Cook and O. C. Mills—Brockville, H. S. Humphrey and A. Turner.

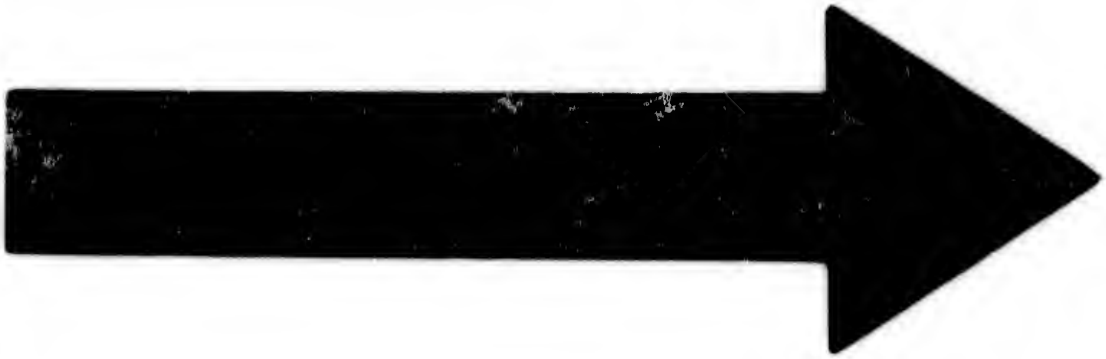
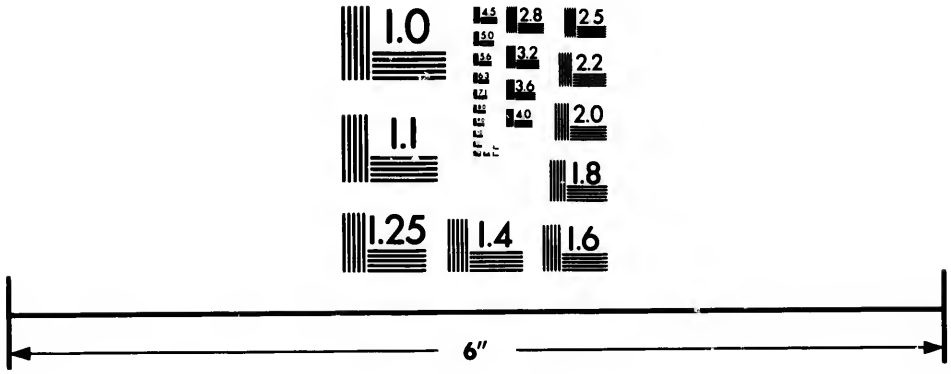


IMAGE EVALUATION
TEST TARGET (MT-3)



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WEBSTER, N.Y. 14580
(716) 872-4503

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M. TEEFY,

RICHMOND HILL POST-OFFICE,

COMMISSIONER IN THE QUEEN'S BENCH,

FOR THE UNITED COUNTIES OF YORK AND PEEL.

HEARN & POTTER,

(FROM DOLLOND'S)

Mathematical Instrument Makers,

OPTICIANS AND JEWELLERS,

54, KING STREET, TORONTO.

MANUFACTURERS and Importers of THEODOLITES, LEVELS, TELESCOPES, MICROSCOPES, and all descriptions of SURVEYING, OPTICAL, AND PHILOSOPHICAL INSTRUMENTS. HYDROMETERS and SACHROMETERS, as used by the Imperial Government.

SPECTACLES to suit all sights.

ROYAL ADMIRALTY CHARTS of the St. Lawrence and the Lakes.

☞ *Repairing and Adjusting on the Premises.*

THE EYE AND EAR.

DR. F. A. CADWELL,

OCULIST AND AURIST,

OPERATOR ON THE EYE AND EAR.

HAVING concluded a protracted professional engagement abroad, has returned, and resumed his business at Toronto, and may be consulted as usual for all diseases appertaining to the

SIGHT OR HEARING.

Dr. C., having during his absence availed himself of many useful and important discoveries in the treatment of DEAFNESS, and many diseases of the EYE, can with confidence be consulted by those afflicted, as NO CHARGE will be made in any case for examination and opinion.

Dr. Cadwell's Treatise on the Eye and Ear, will be forwarded to any part of the country free of charge, by sending the address POST PAID. Communications must also be PRE-PAID, and those requiring an answer, ENCLOSE A FEE.

☞ **Artificial Eye inserted free of pain.** ☜

OFFICE—No. 50, KING STREET EAST.

[180]

THOMAS CLARKSON,

Produce and Commission Merchant,

FRONT STREET, TORONTO.

CASH advanced on Wheat. Flour and other Produce for sale here or elsewhere at the owner's option. Agent for the sale of Small Bills on England, Ireland, and Scotland, in sums of £1 and upwards. Milners & Son's, of London and Liverpool,

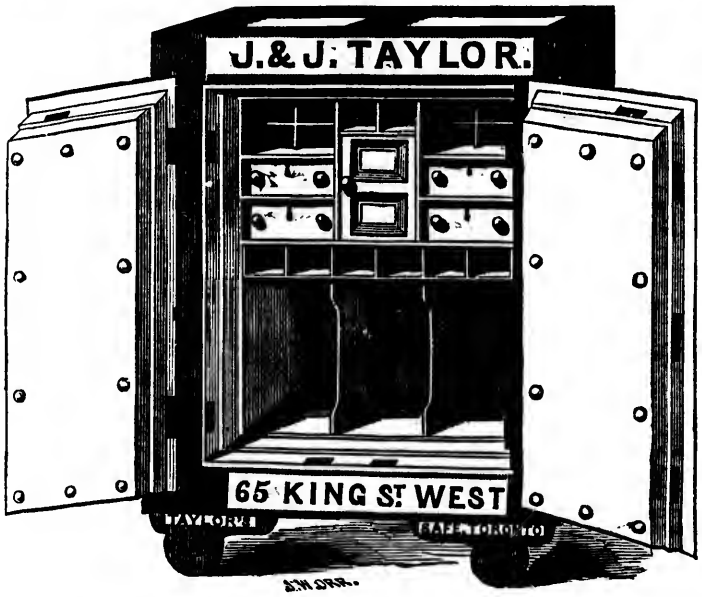
PATENT FIRST-CLASS SAFES AND DEED CASES,

The strongest wrought iron safe-guard against robbery and fire extant.

Also, Wilder's American SAFES, all warranted.

PROVINCIAL SALAMANDER SAFES!

SECURED BY HALL'S POWDER PROOF LOCK.



BANK VAULTS, AND Burglar Proof SAFES.

Manufacturers of the Improved Bevel Fire and Burglar Proof Salamander Safes.
A large assortment of Salamander Safes, at prices from $30 and upwards, always on hand.

GEO. H. CHENEY & Co.,

MANUFACTURERS, IMPORTERS, WHOLESALE AND RETAIL DEALERS IN

COAL GRATES, HALL, COOKING, & BOX WOOD AND COAL STOVES;

PLANISHED AND JAPANNED GOODS AND TIN WARE.

PARTICULAR ATTENTION PAID to JOBBING.

STORE—No. 5, St. James's Buildings, King Street, Toronto.

FOUNDRY—CORNER OF QUEEN & VICTORIA STREETS.

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WORKS PUBLISHED BY ROBERT DICK.

The Gospel Tribune.—Published monthly for the promotion of Alliance and Intercommunion throughout Evangelical Christendom. Price, when paid in advance, 5s. per annum: to Ministers, 2s. 6d. *No Postage charged.*

"The Cup of the Lord," NOT "The Cup of Devils."—By John Mair, M. D., of Kingston, C.W. 100 copies sent for 15s., *Postage free.*

Gospel Tribune Pamphlets, No. 1.—A LETTER addressed to the non-established Presbyterian Communions of Scotland, by Sir Geo. Sinclair, Bart, of Ulbster. 20 copies sent for 5s., *free of Postage.*

Simmons' Laconic Manual.—A book which aims at furnishing the richest variety of good and wholesome sentiments, in the smallest possible number of words. Price, 5s., and sent *free of Postage.*

Simmons' Scripture Manual.—A NEW WORK:—possessing it, the teacher or student of the Bible never need remain one minute at a loss for all the Scripture texts required on any subject. Price, 5s.; and sent *free.*

Rev. H. Mulkins' Report on the Prohibitory Liquors Laws of New England.—Sent *Post free.* 100 copies for $5.

Communications of every kind intended for the Publisher, to be addressed as shown in the form below.

All Remittances forwarded by mail, in letters thus addressed and duly registered are at the risk of the Publisher.

Registered. *Paid.*

ROBERT DICK,

(*Tribune Office,*)

TORONTO, C.W.

Sole Agent for the Sale of the Crystal Palace LEVER PRESS.

JOHN ELLIS,

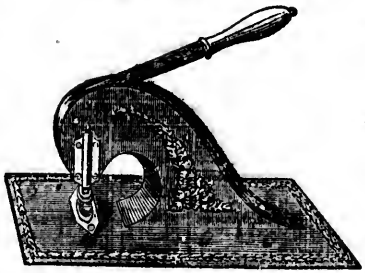
Engraver,

LITHOGRAPHER

AND DRAUGHTSMAN,

8 KING STREET WEST,

TORONTO.



HERALDRY OFFICE.

Arms, Crests,

Notary, Municipal & City Seals and Presses.

Shares, Bills of Exchange, Mercantile, Visiting and Wedding Cards.

☞ MAPS, PLANS OF ESTATES, VIEWS, &c. (in superior style, and for the Trade.) ☜

GEORGE B. WYLLIE,

18, King Street East,

LINEN AND WOOLEN DRAPER,

SILK MERCER, HABERDASHER,

DAMASK AND

CARPET WAREHOUSEMAN, &c. &c.

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41 KING STREET, Corner of TORONTO STREET,

OPPOSITE THE NEW POST OFFICE.

HOUSE FURNISHING HARDWARE,

OF ALL KINDS,

Rodgers' and other celebrated Table Cutlery, Silver Plated Forks and Spoons, Cruets, Candlesticks, &c. &c., Best Britannia Metal Tea and Coffee Pots, Papier Machie and Japanned Trays,

IRON BEDSTEADS, FIRE-IRONS AND FENDERS, &c.

Enamelled and Tinned Kitchen Ware, Bar, Hoop and Sheet Iron, Glass Pails,

And all other Goods in the Hardware Line for sale at moderate Prices.

R LEWIS & SON.

"THE GLOBE."

THE DAILY GLOBE, ...$6 per annum.
THE TRI-WEEKLY GLOBE, ... 4 per annum.
THE WEEKLY GLOBE, ... 2 per annum.

THE PRESENT CIRCULATION of the *Globe* (1st Nov., 1855) is 16,176, and it is constantly increasing. Its subscription list is larger than those of the other three City daily papers united, and larger than that of any single business Journal published west of New York.

The Sheet on which it is printed is, with one exception, the largest used by any business paper in America.

GEORGE BROWN,
Proprietor and Publisher.

OFFICE—22 KING STREET WEST, TORONTO.

ALL KINDS OF BOOK AND JOB PRINTING

EXECUTED CHEAPLY AND WITH DESPATCH.

WHITEFIELD'S CANADIAN VIEWS.

THESE are the largest, most elaborate, and reliable Views that have ever been published, and embrace the Cities of Quebec, Montreal, Kingston, Bytown, Toronto, Hamilton, London, Port Hope, &c.

Size of Engraving 36 inches by 24 inches.

Price per single copy (plain)	£1	5	0
Do. do. (fully colored)	2	0	0
Do. for the set, complete (plain)	8	0	0
Do. do. (colored)	15	0	0

These Views are got up in the First Style of the Art, and printed on the finest quality of paper, made expressly for them, and they are well adapted for the parlor, or as presents to friends in the Old Country.

Orders sent to MACLEAR & Co., 16 King Street East, Toronto, will be promptly attended to.

NOTICES FROM THE PRESS.

VIEW OF MONTREAL.—We are sure all will admit that it would be impossible to have completed a picture more faithfully correct than Mr. Whitefield's View of Montreal.—*Montreal Pilot.*

We are satisfied, from this specimen of his handicraft, that Mr. Whitefield is no pretender, but an accomplished Artist, with the minute fidelity of Portraiture, and much skill in perspective and coloring, and that his picture is infinitely superior to anything of the kind that has ever been attempted.—*Montreal Transcript.*

Mr. Whitefield has completed the most faithful view of our city that we have ever seen.—*Montreal Gazette.*

Mr. Whitefield's view is a remarkably faithful one—the perspective very correct, and well worthy the talents of the artist; and we are glad to have it in our power to add our decided testimony to that of our cotemporaries, respecting the merits of this picture.—*Montreal Courier.*

We have no hesitation in saying, that a more beautiful and elaborately correct view of Montreal could not possibly be executed.—*Montreal Herald.*

VIEW OF QUEBEC.—Mr. Whitefield has completed his view of Quebec, and we have no hesitation in saying, that it is the best, the most correct, and the most judiciously sketched view of Quebec yet taken.—*Quebec Morning Chronicle.*

VIEW OF HAMILTON.—We have been shown by Mr. Whitefield, an engraved copy of his View of Hamilton, which is really beautiful, and in our opinion, as correct as it well could be.—*Hamilton Spectator.*

We have been favored with a glimpse of Mr. Whitefield's View of Hamilton. His correct delineation, style, and artistic skill have more than realized our expectations.—*Hamilton Gazette.*

We consider it admirably well executed. It is a faithful engraving of a beautiful city, and well deserves the patronage of our citizens.—*Daily Evening Journal.*

THE VIEW OF TORONTO which Mr. Whitefield has shown us is the only one which we have yet seen which does anything like justice to this city.—*Old Countryman.*

I am glad to say that Mr. Whitefield has achieved a great feat—he has drawn a good view of Toronto; a thing I scarcely deemed possible.—*Anglo American Magazine.*

Mr. Whitefield has, from the point he has selected, been able to introduce all the striking buildings that adorn our streets, and to give a very pretty view of the bay.—*Toronto Globe.*

Mr. Whitefield's productions far surpass in size and artistic excellence any we have yet seen.—*Canada Christian Advocate.*

Mr. Whitefield's views of Ottawa (Bytown,) are perfect gems. * * * * He has a happy knack of always hitting on the best point from which to make his sketch, added to the masterly manner in which they are executed, is sure to please.—*Anglo-American Magazine.*

Mr. Whitefield's view of Port Hope is an admirable, and at the same time a truthful picture.—*Port Hope Pilot and Ensign.*

☞ A vast number of notices similar to these could be added were there room sufficient for the purpose.

MACLEAR & Co.,

16, KING STREET EAST, TORONTO,

HAVE great pleasure in embracing this opportunity of laying before their friends and the public generally, a few remarks on the facilities which they possess for supplying every demand connected with their business.

Booksellers. As Booksellers, they keep constantly on hand a full supply of valuable works, in every department of Literature, Science and Art. The Clerical Profession will find a large stock of Standard Works in Divinity, Theology, Sacred Criticism and Practical Christianity, the production of the most celebrated English and American Divines. Their stock of BIBLES is extensive and complete, comprising in size, every edition, from the elegant miniature for the pocket to the magnificent Quarto Illustrated, Imperial and Comprehensive Bibles, for family use, of Messrs. Blackie & Son, of Glasgow, Scotland, and in price, from the strong, useful sheep cover at a few pence, to the most costly productions of the binder's and gilder's art. In Hymn Books, they have the various collections used by different denominations of Christians, either bound up with the Bible, or separately, viz.: Psalms and Hymns for the Church of Scotland, Wesley's Hymns, Watts', and the Supplement to Watts', or Congregational Hymn Book. Church Services in great variety. Prayer Books, roan, gilt edges, from 25 cents each. Catechisms, &c. In Medical Books, they need only say that they are the agents for Messrs. Blanchard & Lea, of Philadelphia, and keep a stock of their valuable medical and Surgical works on hand; also, the best publications in this department of other houses, Home and Foreign. The London Lancet (monthly) supplied at $5 per annum. The Medico-Chirurgical Review (quarterly) for $3, and Braithwaite's Retrospect (half-yearly) for $2. To the Legal Profession M. & Co. beg to intimate that they are the publishers of several valuable legal works, and keep also every publication of importance on the subject necessary for the study or reference of gentlemen connected with the law. Under the head of Mechanism and the Useful Sciences, they have works on Engineering, Railway and Farm Machinery, Architecture, Ornamental Designs, Electricity, Chemistry, &c., in addition to the very useful series of Elementary Works published by Weale, of London, England. To the general reader they can offer an immense variety, suited to every age and taste, in History, Biography, Travels, Poetry, Essays, Fiction, &c. &c. All works of importance in this department can be procured of M. & Co. as soon as published. Educational Works, including Common School, College and other Text Books, wholesale and retail; Grammars, Dictionaries, Reading and Composition Books, in Greek, Latin, Hebrew, French, German, Spanish and Italian. In Periodicals, they receive and supply regularly all the principal publications, English and American. They will spare neither trouble nor expense to procure for their subscribers early copies. Under this head they may mention that they are agents in Canada for the Re-publication of Blackwood's Magazine and the four great English Reviews—The Edinburgh, the Quarterly, the Westminster and the North British, the whole of which are supplied for $10 per annum. These Reviews, it is known to many, are among the greatest efforts of English literature; their contributors are men of the highest standing; the topics they discuss are always of the utmost importance, and the manner as befits the most powerful intellects of this or any other age. Among the host of great names, living or dead, who have contributed to their pages, they may mention Lords Jeffrey, Brougham and Campbell, Rev. Sydney Smith, T. B. Macaulay, Sir Walter Scott, J. G. Lockhart, Dr. Chalmers, H. Rogers (author of the Eclipse of Faith), Carlyle, Mazzini, Sir David Brewster, Sir W. Hamilton and many others; and it is not too much to say, that no man can be conversant with the full development of English literature, who is not a reader of these Reviews, while the amount for which they are supplied is less than a third the published price. The Illustrated London News, Punch, and other English papers, immediately upon the receipt of the mail every week. M. & Co. will be happy to procure, either from England or the States, any works to order which they have not in stock.

Sacred Literature. Bibles, &c. Medical. Legal. Scientific and Useful. General Reading. Educational. Periodical. Blackwood and the Reviews. Their Contributors.

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superior quality, wholesale and retail; Gold, Steel and Quill Pens and Holders, Envelopes, Wax, Wafers, Vestas, and every article required for the desk or counting room. In Law Stationery, they have Deeds on Paper and Parchment, Full Covenants do. under the statute, Mortgages with power of sale, do. with insurance clause and power of sale, Chattel Mortgages, Leases, Quit Claim Deeds. All forms of Division Court and Magistrates' Blanks. LAW FORMS, viz: Subpœnas, Cognovits, Writs of Summons, Notices to Admit, Affidavits of Service, Chancery Blanks, &c. &c. Skins of Writing Parchment in great variety and of superior quality. Their stock of Miscellaneous Stationery it would of course be quite impossible to particularize. They have everything that is required and usually found in such establishments, suitable for the Surveyor, the Artist, the Tradesman, the Teacher, and the Private Individual; also many useful and ornamental novelties in Copying Presses, Writing Cases, Papier Macho Portfolios and Inkstands, Envelope Cases, Date Boxes, Newspaper and Letter Files, Paper Stands, Rogers' Sheffield Desk and Pocket Knives, &c. &c. Law Station'ry Miscellaneous.

Their facilities for Book and Job PRINTING are all of the very first order, both in extent and completeness. They have some powerful Presses by Adams and Hoe, the most celebrated American makers, worked by a Model Steam Engine, together with a large and varied stock of new type, which is being constantly augmented by the addition of every novelty, as produced, for Ornamental Printing. But of their capabilities in this matter they are fortunately not required to say much. As samples of the work performed by them, they may point to the Canadian Journal, the monthly organ of the Canadian Institute, the execution of which has been affirmed to be of a character that would do credit to the oldest Printing Houses in Europe; or if the reader has not seen that publication, they need only refer to this present work—THE CANADIAN ALMANAC. They do not hesitate to say that it will bear a favorable comparison with any similar production published in any part of the world. Those who are conversant with the getting up of an Almanac—who know the double necessity resting upon the compilers, of embodying the latest information, and yet publishing early in the fall, and the consequent haste with which it is printed, will look upon it as a marvel of elegance and correctness. They are prepared to execute in an equal manner, **The Printing Office.** Specimens Work. The Almanac.

Newspapers,	Posting Bills,	Invitations,
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Printing in Gold, Bronze and Colors executed in first rate style.

In the LITHOGRAPHIC DEPARTMENT, Maclear & Co., to meet the growing demand for work in this line, have added considerably to their previous resources, by employing several of the best artists to be found, the purchase of new presses and all necessary materials, and are now in a position to execute orders to any extent in **Lithography**

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***** The Publishers of the Canadian Almanac regret that in consequence of the pressure of Advertisements, they have been obliged to refuse several applications for space, also to leave out a list of their own publications, which they had prepared.**

THE ORIGINAL AND ONLY GENUINE

SIR ASTLEY COOPER'S

MILD APERIENT ANTI-BILIOUS PILLS,

FOR THE CURE OF

Bilious Disorders, Liver Complaint, Indigestion or Dyspepsia, Habitual Costiveness, Sick Headache, Giddiness, Heartburn, Flatulency, Loss of Appetite, Irritability, Nervousness, Languor, Lethargy, Low Spirits, General Debility.

THE distinguished patronage with which these sterling Pills have long been honored, the beneficial effects which have constantly resulted from their use, the purity of the ingredients which enter into their composition, the careful and peculiar mode of preparation, and the great and increasing demand for them from every quarter of the globe, prove at once their superiority over all similar preparations in Europe or America. Prepared from the original recipe of the distinguished Physician and Surgeon, the late SIR ASTLEY COOPER.

IMPORTANT CAUTION.

In consequence of the great demand for these most excellent Pills, they have been extensively counterfeited by several unprincipled persons both in Canada and the United States, and in order to secure the public for the future from all danger or risk of counterfeits, the proprietors have caused to be engraved, at great expense, a highly-finished label, which is placed on the outside of the wrapper, and also on the top of each box, and on which is engraved the likeness of the late Sir Astley Cooper, from the celebrated painting by Lawrence, with the words, "SIR ASTLEY COOPER'S APERIENT ANTI-BILIOUS PILLS."

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☞ For Sale by all respectable Druggists and Dealers in Medicine in Upper and Lower Canada. ☜

PERRY DAVIS'

VEGETABLE PAIN KILLER

STILL TRIUMPHANT.

And after a thorough trial, by innumerable living witnesses, has proved itself

THE MEDICINE OF THE AGE.

ALTHOUGH there have been many Medicinal Preparations brought before the public since the first introduction of PERRY DAVIS' VEGETABLE PAIN KILLER, and large amounts expended in their introduction, the Pain Killer has continued to steadily advance in the estimation of the world, as the best Family Medicine ever introduced.

As an Internal and External Remedy it is truly a source of

JOY TO THE WORLD!!

One positive proof of its efficacy is, that the sales have constantly increased, and wholly upon its own merits, as the Proprietors have not resorted to Advertising to gain for it the rank it now holds among the great number of preparations of the present time. The effect of the Pain Killer upon the patient, when taken internally in cases of Cold, Cough, Bowel Complaints, Cholera, Dysenterry, and other affections of the system, has been truly wonderful, and has won for it a name among medical preparations that can never be forgotten. Its success in removing Pain, as an external remedy, in cases of Burns, Bruises, Sores, Sprains, Cuts, Sting of Insects and other causes of suffering, has secured for it such a host of testimony, as an almost infallible remedy, that it will be handed down to posterity as one of the greatest medical discoveries of the nineteenth century. The magical effects of the Pain Killer, when taken or used according to directions, are certain. You have only to be sure that you buy the genuine article and adhere to the directions in its use, and you will admit its wonderful medicinal properties.

The genuine Perry Davis' Pain Killer is now put up in panel bottles, with the words, "Davis' Vegetable Pain Killer" blown in the glass, and with two Steel Engraved Labels on each bottle—one an excellent likeness of Perry Davis, the Original Inventor of the Medicine, the other a steel engraved note of hand—none others can be relied upon as genuine.

Price of Bottles—12½ cents, 25 cents, 50 cents, and $1, respectively.

Perry Davis & Son, Proprietors,
No. 7, High Street, Providence. R. I.

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THOMPSON & CO.,

BOOKSELLERS, STATIONERS AND PRINTERS,

52, KING STREET EAST, TORONTO,

PUBLISHERS OF THE

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GRATEFUL for the encouragement and support hitherto bestowed on them, would respectfully solicit a continuance of public favour. Their Stock has been carefully selected with a view to meet the wants of their friends, and no effort will be spared to afford them satisfaction.

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Nov. 1855. *52, King Street East, Toronto.*

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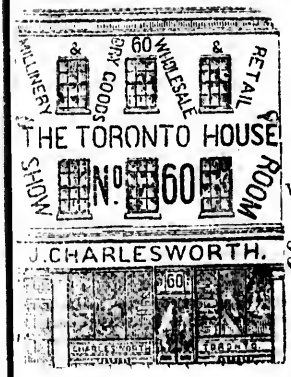

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TORONTO.

J. CHARLESWORTH,

Would respectfully call the attention of the Public generally to his large Stock of

STAPLE AND FANCY

DRY GOODS & MILLINERY

All of which are offered at the lowest remunerating Prices, and no second price.

An inspection of Stock is solicited.

Remember John Charlesworth, and observe the Wood-cut

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NEW PRINCIPLE! NEW REMEDY!! NO POISON!!!

RHODES'S FEVER & AGUE CURE;

OR ANTIDOTE TO MALARIA;

For the Prevention and Cure of Fever and Ague, or Chill Fever; Dumb Ague, and other Intermittent and Remittent Fevers; also of Bilious Fever, accompanied by Typhoid Symptoms; Typhoid Fever, Yellow Fever, Ship and Jail Fever, General Debility, Night Sweats, and all other forms of Disease which have a common origin in

MALARIA OR MIASMA.

THE diseases are common to many localities of the United States; but wherever they prevail, North, South, East or West, they all equally spring from the same miasmal cause. The great variety of symptoms and forms of disease is owing principally to difference in age, sex, constitution and habits of the sufferers; but as the cause is the same, they will all equally yield to a remedy that is competent to overcome or remove that cause.

By the laws of Nature, every principle has its opposite, and for every disease, or cause of disease, there is a re-agent, or in other words a specific remedy. All Malaria, whether arising from Marshes, Stagnant Water, decomposition of animal and vegetable matter, or even newly cleared lands, is the same in character and effect; is a poison floating in the atmosphere, causing disease to all who breathe it. In accordance with those unalterable laws governing the unerring affinity subsisting between opposites, there is in the preparation before us, offered to the public,

THE NATURAL ANTIDOTE TO MALARIA,

which neutralizes the poison wherever it comes in contact with it, even in the open air, and when taken internally completely purifies the system affected by it of its baneful influence, and thus restores and preserves health.

The remedy is believed to be entirely new, and unknown to any but the proprietor, who distinctly claims the following extraordinary results from its use:

It will instantly check the ague in persons who have suffered for any length of time; from *one day to twenty years*, and by continuing its use, according to the directions, a radical cure will be effected: the patient continuing free from the complaint for years.

In its operation upon the poison in the system, it will immediately relieve all the distressing symptoms of bilious or ague diseases, and when the disease is cured, it will entirely prevent the accession of

GENERAL DEBILITY AND NIGHT SWEATS,

which so often follow the administration of other medicines. The patient at once begins to recover appetite and strength, and continues to improve until restored to perfect health.

By its use Fever and Ague may be banished from every family and class in the community; farmers, mechanics, and all labouring people may be using this article as a

PREVENTIVE,

and pursue their respective avocations in perfect safety from ague or bilious attacks during the sickly season, which is often to them the most valuable part of the year.

Since the introduction of the CURE in every part of the United States, its success has been so complete and unvarying as to have fully proved these assertions in favor of its extraordinary merit.

When these declarations were made, at the date of its introduction, they seemed incredible to many, even of the most candid minds, because all the resources of science had been taxed in vain to subdue Ague or Bilious diseases; and what was still worse for Ague sufferers, all their remedies or treatment, whether scientific or empirical, have been limited to the use of poisonous and destructive drugs, such as Arsenic, Quinine, Mercury, Salicine, &c. The effects of these are sometimes worse than the disease they subdue, and when such remedies fail, or give only temporary relief, their poisonous effects are superadded to the poor sufferer's first complaint.

On this account Ague sufferers should be particularly careful about using any secret Fever and Ague remedies, notwithstanding the makers of them uniformly assert they may be taken with perfect safety, even when it is notoriously well known that their potency depends solely upon destructive poisons.

Now, as a proof that the Remedy is not only valuable on account of its power to cure disease, but that it is also

WORTHY OF PUBLIC CONFIDENCE BECAUSE OF ITS SINGULAR AND ENTIRE HARMLESSNESS.

The following certificate from one of the most celebrated chemists in the United States, has been obtained, and a copy of it is attached to every bottle:

"NEW YORK, Monday June 11, 1855.

"I have made a chemical examination of Rhode's Fever and Ague Cure, or Antidote to Malaria, and have tested it for Arsenic, Mercury, Quinine and Strychnine, but have not found a particle of either in it, nor have I found any substance in its composition that would prove injurious to the constitution.

"JAMES R. CHILTON, M.D., Chemist."

It is a stubborn fact, therefore, that this Remedy is destined not only to relieve the human family from malarious diseases, but to do an equally good work by preventing the taking of other medicines which do harm.

The entire absence of any baneful ingredient makes this Remedy not more valuable as a Cure than it is a preventive.

No class of disease is so easily managed as the one under consideration, if the medicine be taken in advance. This is owing to the diseases being produced by one and the same cause, and therefore all, both residents and travellers, should protect themselves by the timely use of this preventive, and not wait for the poison already lurking in their veins to develop itself in a violent attack. Take the Cure as a preventive, and so destroy the poison before it does harm.

DIET.—Directions for Diet are highly important, and must be closely observed. The Diet should be simple, plainly prepared, and in other respects such as the patient has found to agree best with him. If, however, he is naturally bilious, much meat while in a hot climate, will be found to be decidedly injurious, and a vegetable and highly nutritious diet far preferable. Those differently constituted may use a more generous diet. Meat, when eaten, should be tender, juicy, and not overdone. The food should be thoroughly masticated, and regular hours for meals observed. Since costiveness or unhealthy looseness of the bowels is very pernicious during the sickly seasons the state of the bowels should be closely watched, and, if possible, regulated by diet. The patient can in most cases easily accomplish this most desirable end, by refraining from things which constipate, and taking such diet as loosens the bowels if costive, and so on the contrary if too loose, avoid everything of a relaxing nature.

Among other articles of diet, the following possess constipating qualities: common fine wheat bread, more especially that made by "the baker," because it too often contains alum in its composition; boiled milk; cheese; pepper in any form; salted and smoked meats and fish, and refined sugars; but coarse wheat bread of domestic make, corn bread, corn and rye bread, fresh butter, raw milk, rarely cooked fresh meats, especially venison and pork, raw sugars and molasses are laxative.

HABITS OF LIFE.—Avoid outdoor air from the time of sunset until an hour or two after sunrise, for the malaria or miasma of infected districts is most abundant and active during the night; a bright sun soon causes it to disappear. Also avoid exposure to damp, chilly winds, over exertion, irregularity of habits, anxiety of mind, or other like predisposing causes. Sleeping apartments located in the upper stories are much more healthy than those of the first or lower one, because the poisonous air is the heaviest. The system should have all necessary repose.

Some constitutions are able to resist all influences for months or years, while others are prostrated by an ague attack after only a few days' exposure. And it generally happens that those cases most speedily produced are the most speedily cured, while those whose constitutions have been gradually undermined by the subtle poison lurking in the system for a length of time, require a greater period in which to regain their health.

In most instances there are several days warning given by premonitory symptoms before the disease breaks out. Be sure to heed these, and by commencing the use of this medicine according to directions, you are assured of arresting it in advance, and of being *entirely free from any Ague attack* during the whole season. Just compare the *trifling cost* of this article with the immense loss of time consumed by sickness, and observe what an argument the great difference is in favour of using this *certain preventive.*

The following directions for using this medicine must be strictly observed:

If the patient is suffering from any form of Intermittent Fever or Ague, it should be taken three times a day, half an hour before each meal, and so continued until the patient feels that a permanent and radical cure is effected. Merely "breaking the chill" is not curing the disease; it is only the commencement. If the patient has been diseased a long time, or for a long time exposed to Malaria, the greater the period required for an effectual cure. Such may require several bottles of this remedy. One or two bottles will suffice for ordinary cases; one bottle will occasionally answer, but cannot be always relied upon for a permanent cure. It will also be prudent to take it once or twice a day, according to the unhealthiness of the locality, until a heavy frost appears, if in a cold or temperate climate; if where frosts do not occur, then it should be taken till some little time after every vestige of the complaint has disappeared.

It will generally be found necessary to precede this medicine by a mild cathartic or antibilious purgative. The very best thing for general use is a moderate dose of Castor Oil, the object of which is to cleanse the stomach and free the biliary passages. REMEMBER that where this is necessary, or there is costiveness it MUST BE TAKEN or the operation of the antidote will be seriously obstructed.

THE DOSE.—The bottle must first be shaken until all the ingredients are thoroughly mixed. The quantity for an adult is a table spoonful. It will be best, however, for ladies or feeble patients to commence with two-thirds the quantity. Any sensation of nausea, or unpleasant feeling at the stomach, is a signal for the dose to be lessened. Most people could take three times the amount without any uncomfortable feelings.

For children above six years of age, about one-half of a table spoonful; and from three to six years, one-third of a table spoonful. From one to three years, thirty drops; and under one year, ten to fifteen drops taken clear or in a little water. Much larger quantities, however, than are necessary to expel disease, may be taken without any injury.

ONLY CAUTION.—In certain specified cases, pour the contents of one or more bottles of the Cure into shallow vessels, (dining plates,) and place them in sleeping-rooms; for the vapour rising from the medicine, and also the air wafted across, or circulated over the dregs of it, after the liquid is evaporated, will counteract and destroy, to a degree commensurate with its exposure, the miasmata or poison contained in the apartment. This mode of exhibiting the Cure should likewise be resorted to when very young infants are exposed to malarious situations.

The bottles in which the medicine is put up have the words "RHODES'S FEVER AND AGUE CURE" blown in the glass, and on the outside wrapper is the name of the medicine, (the copyright of which is secured,) and the signature of the proprietor. These precautions are adopted to prevent counterfeits and imitations.

The reliance for its success is entirely upon its actual merits wherever introduced and used. These will be considered sufficient.

Prepared and sold by the proprietor. JAMES A. RHODES, Providence, R. I.

Extract of a Letter from Professor Fletcher, who was cured while engaged at Brown University, Prov., R. I.

INDIANAPOLIS, IND., March 1, 1855.

JAMES A. RHODES, Esq.—Dear Sir:—Yours of 15th ult., has been received, and I am glad to hear that a medicine so efficacious is to be introduced into this AGUISH country. I have the greatest confidence in its success, and can reassure you of its happy effect upon me in entirely breaking up the chills and leaving me strong and healthy.

I like the statement on your wrappers that you will let the medicine stand on its own merits, and standing thus, I am most sanguine of its success.

I expect to travel over a large portion of our State this Spring, and I shall have abundant opportunity to recommend it verbally. Wherever I go I shall take great pleasure in thus testifying to its merits; and if you will instruct your agent to let me have a few bottles, I will carry them with me to distribute for your benefit.

In haste, I remain, truly yours,
MILES J. FLETCHER.

HAD THE AGUE FOR TWELVE YEARS!!!

PROVIDENCE, June 29, 1855.

Having been informed of the illness of a poor but worthy woman, who has not been free from Fever and Ague a month at a time, for the last twelve years, I supplied her gratuitously with Rhodes's Fever and Ague Cure. She took in all four bottles, which completely restored her to health and strength, and as four months have now elapsed, there is no reason to doubt the permanency of the cure.—I am also aware of many other cases in which it has been used, and have never known it to fail. C. A. P. MASON, *Apothecary.*

LETTER FROM A POSTMASTER.

MAXWELL, Delaware County, Ohio, August 19, 1855.

MR. J. A. RHODES.—Dear Sir,—Your medicine has met with the most favorable success in this neighbourhood. I have about five bottles left. I gave it to them at first, "if no cure no pay," although I was not authorized by you to do so; but I took the responsibility on myself. But not a bottle has come back, and as I am almost out of the article, I wish you would forward me one gross of the bottles, if you see proper to do so, and I will be punctual in payment. I enclose fifteen dollars on the medicine I have received, for which please send me a receipt. Ship the Cure to me as soon as you can; there never has been as much Chills and Fever, since I lived in the State, as at present.

Yours, &c., RICHARD MARTIN, *Postmaster.*

FEVER AND AGUE MEDICINE.

In another column of to-day's paper will be found an advertisement for "*RHODES' FEVER and AGUE CURE*" We are not in the habit of puffing medicines, but desire to say, for the benefit of the afflicted, that Wm. N. Rowe, Merchant, Sharpsburgh, who has it for sale, informs us that he has sold several dozen bottles, and in every case it has effected a cure. This proves the medicine to be good, and we take pleasure in bringing it before the notice of the public.—*Odd Fellow, Boonsboro', Md., Sept. 4.*

At this season, when there is so much danger to be apprehended from the malaria in the atmosphere, we are constantly breathing, no person should be without the great preventive and sure cure for Fever and Ague, and all bilious complaints.

This is "*RHODES' FEVER and AGUE CURE.*" With a bottle of it in his possession, any one is safe, though he may be in the most sickly locality. And at the same time, he may feel assured he is taking no remedy worse than the disease. The certificate of its entire innocence, of the celebrated Dr. Chilton, is attached to each bottle.

J. D. Verrington, Wholesale Agent, 69, Clark Street, and for sale by Bay and Baldwin, F. Scammon & Co., and druggists everywhere.—*Chicago Pathfinder.*

AGENTS.—Montreal—S. J. LYMAN & Co., and JOHN GARDNER. Quebec—G. G. ARDOUIN. Hamilton—T. BICKLE & SON. Picton—A. ELLIOTT, and J. D. B. FRAZER, and by Dealers generally.

CANADA LIFE ASSURANCE COMPANY,

HEAD OFFICE, HAMILTON, C. W.

AGENCY, KING STREET, TORONTO;

WITH AGENCIES THROUGHOUT CANADA, AT ST. JOHN'S, N. B., AND ST. JOHN'S, NEWFOUNDLAND.

Capital **£250,000**
Accumulated Fund **£65,000**
Annual Income **£22,500**

MANAGEMENT local and economical; Premiums lower than those of the majority of offices, yet safer, because carrying a larger margin for contingencies; Funds invested in the Province at high rates of interest.

The growth of business has been steady and continuous. The increase of the accumulated assurance fund—a good criterion of prosperity in life assurance—has been, and is, in a ratio fully equal to the advance of income and liabilities. A comparison of the proportion of this fund to the duration of the institution and the extent of its assurances, with the proportion exhibited by other and older offices doing business in the Province, will result largely to the credit of the Canada Company.

At the date of the last-published balance-sheet, the total liabilities were £172,186, and the total assets £244.029, showing a balance in the Company's favor of £71,843. The last year's dividend of profit awarded to assured in the Mutual Branch, of seven years' standing, was equivalent to fifteen per cent. upon the gross premiums received in the twelve months.

Assurances are granted of ordinary or special kinds: for life, with or without Profit, Endowments, Half-Credit, on Joint Lives and Survivorship. Annuities, immediate and deferred. Assurance and Annuity combined on a new and simple plan.

Money received at interest or for accumulation at higher rates than are allowed by banks or savings' banks, and on terms of withdrawal not less advantageous.

Detailed information and all requisite papers may be obtained on application to THOS. M. SIMONS, Secretary, Hamilton, or to any of the Company's agents.

DR. HOOFLAND'S

CELEBRATED GERMAN BITTERS.

Prepared by Dr. C. M. JACKSON, Philadelphia, Pa.

WILL effectually cure LIVER COMPLAINT, DYSPEPSIA, JAUNDICE, Chronic or Nervous Debility, Diseases of the Kidneys, and all diseases arising from a disordered Liver or Stomach.

Such as Constipation, Inward Piles, Fulness or Blood to the Head, Acidity of the Stomach, Nausea, Heartburn, Disgust for Food, Fulness or Weight in the Stomach, Sour Eructations, Sinking or Fluttering at the Pit of the Stomach, Swimming of the Head, Hurried and Difficult Breathing, Fluttering at the Heart, Choking or Suffocating Sensations when in a lying posture, Dimness of Vision, Dots of Webs before the Sight, Fever and Dull Pain in the Head, Deficiency of Perspiration, Yellowness of the Skin and Eyes, Pain in the Side, Back, Chest, Limbs, &c., Sudden Flushes of Heat, Burning in the Flesh, Constant Imaginings of Evil, and Great Depression of Spirits.

The proprietor, in calling the attention of the public to this preparation, does so with a feeling of the utmost confidence in its virtues and adaptation to the diseases for which it is recommended.

It is no new and untried article, but one that has stood the test of a ten years' trial before the American people, and its reputation and sale is unrivalled by any similar preparations extant. The testimony in its favor given by the most prominent and well-known physicians and individuals in all parts of the country, is immense.

The general want of success in treating diseases of the liver and stomach, has not been a deficiency of pathological knowledge of their functions, but of a suitable compound that would act upon the disease and all the sympathetic affections. That has been gained in these Bitters; and they can be used by persons with the most delicate stomach with perfect safety—as they at no time debilitate the patient, but give strength and increase the nervous energy. They can be taken at all times, and under all circumstances. No ordinary exposure will prevent them having a salutary effect, and no bad effect can result from an over dose.

If patients will persevere in the use of this remedy, and use it strictly according to directions, it will cure the foregoing diseases in every instance, if not beyond the power of medicine. It has caused many to enjoy the blessing of renewed health, and in many desperate and abandoned cases, a perfect and radical cure.

THEY ARE ENTIRELY VEGETABLE,

And free from Alcoholic Stimulant, and all injurious ingredients; are pleasant in taste and smell, mild in their operation, will expel all morbid secretions from the body, give bloom to the pallid cheek, and health and vigor to the frame.

Price 75 cents per bottle.

Principal Office, No. 96 ARCH STREET, Philadelphia, Pa. Sold by Druggists and Storekeepers in every town and village in the United States and Canadas.

THE OLD STAND!

SIGN OF THE GOLDEN

26, KING ST. EAST, TORONTO, C.W.

And Commercial Buildings, Dundas Street, London, C.W.

THE Subscriber, as every body knows, is one of the largest, best, and most successful manufacturers of

READY-MADE CLOTHING, HATS, CAPS, SHIRTS, &c.,

in Canada West, and will supply the Trade Wholesale Cheap.

He is now receiving an immense assortment of British and Foreign DRY GOODS, Staple and Fancy, purchased by himself in the best markets, which will be sold cheap to the Trade.

☞ Terms—liberal. Call and examine before purchasing. ROBERT WALKER.

LYMAN, BROTHERS & Co.,

KING STREET, TORONTO,

WHOLESALE DRUGGISTS

IMPORTERS OF

Drugs, Chemicals, Medicines, Perfumery, &c.,

KEEP constantly on hand a large Stock of Goods in their line of business for the supply of Druggists, Doctors, Merchants, and Pedlars. They deal largely in all kinds of

OILS, PAINTS, BRUSHES, SEEDS, &c., &c.,

Which they offer on the most liberal terms for Cash, or approved paper.

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CLOTHING AND TAILORING ESTABLISHMENT,

No. 11, King Street,

OPPOSITE NORDHEIMER'S MUSIC STORE,

TORONTO.

G. H. keeps constantly on hand a large Stock of READY-MADE CLOTHING, of the best material and workmanship, and of the latest fashion; also, a superior Selection of

BROAD CLOTHS, CASSIMERES, DOESKINS,

TWEEDS, VESTINGS, &c., &c.

☞ Gentlemen leaving their Measure may depend upon having a Good Garment, Well made and Cheap.

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W. R. BROWN,

WOODEN WARE AND HOUSE FURNISHINGS.

ANGUS DALLAS,

No. 20, KING STREET WEST, TORONTO.

BASKETS,
BRUSHES, BROOMS,
PAILS, TUBS, SIEVES,
MEASURES,
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DOOR MATS,
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WOOL MOPS,
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JAPANNED WARE, CHAMOIS SKINS, COMBS AND TOYS.

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SANDS' SARSAPARILLA,

IN QUART BOTTLES,

For Purifying the Blood, and for the Cure of Scrofula, Rheumatism, Stubborn Ulcers, Dyspepsia, Salt Rheum, Fever Sores, Erysipelas, Pimples, Biles, Mercurial Diseases, Cutaneous Eruptions, Liver Complaint, Bronchitis, Consumption, Female Complaints, Loss of Appetite, General Debility, &c.

This scientific preparation combines, in a highly concentrated form, all the medicinal virtues of Sarsaparilla, compounded with other rare vegetable extracts, potent in the cure of disease, and yet incapable of injuriously affecting the most delicate constitution. It acts simultaneously upon the stomach, bowels, kidneys, liver and the circulation. It determines and carries off the products of unhealthy secretions, and gently stimulates, while it disinfects and expels from the stomach and bowels all that is irritating, until they are cleansed, and restored to a sound and healthy condition.

Another Cure of Scrofula.

Troy, N. Y., September 1st, 1854.

Messrs. A. B. & D. Sands: Gentlemen,—I have for nearly three years been troubled with that dreadful disease, Scrofula; so much so, as to be offensive to my husband and to myself; and to obtain relief have tried every kind of medicine that came under my notice, without effect. One of my neighbours who had been cured of a similar complaint by your Sarsaparilla, advised me to make a trial of it. and I can truly say that it has done me a world of good, having completely cured me. Hoping that my evidence may induce others similarly afflicted to adopt the same remedy, with the same satisfactory results,

I remain, gratefully yours, SARAH A. J. POHLMAN.

Prepared and sold, wholesale and retail, by A. B. & D. SANDS, Druggists and Chemists, 100 Fulton Street, corner of William, New York. Sold by druggists generally throughout the United States and Canadas. Price $1 per bottle; six bottles for $5.

For sale by J Musson & Co., and J. Bowles, Quebec; W. Lyman & Co., Montreal; S. F. Urquhart, Toronto; T. Bickle & Son, Hamilton; G. Baker & Co., Kingston; B. A. Mitchell, London; O. C. Mills & Co., Brantford; Canada; Morton & Co., Halifax, N. S.: and T. Walker & Son, St. John, N. B.

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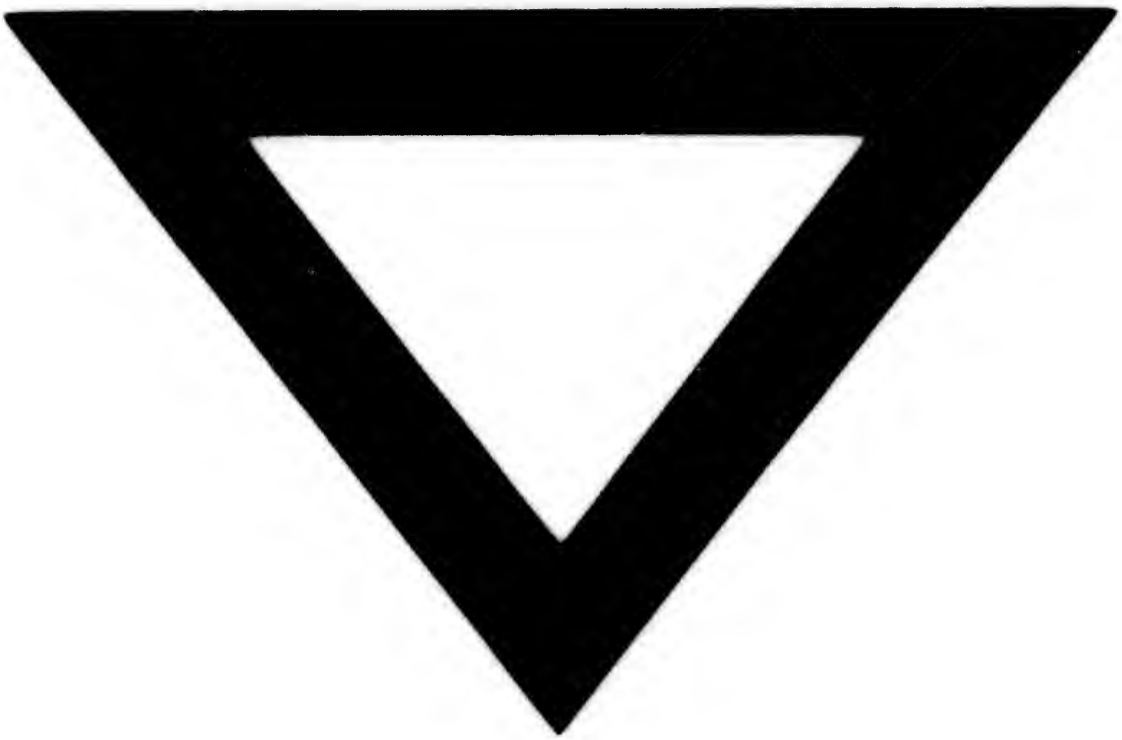
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